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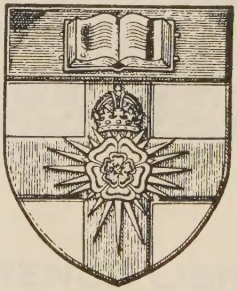

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VOL. LVI.

SESSION 1923-1924.

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Vol. LVI. Part I.

TRANSACTIONS
OF
The Surveyors' Institution.

SESSION 1923-1924.

Paper 477.

THE OPENING ADDRESS.

By J. I. Davidson (President).

Read at the Ordinary General Meeting of The Surveyors' Institution, 12th November, 1923.

I desire at the outset to offer my sincere thanks to my colleagues on the Council and the members of The Institution generally for the high honour conferred upon me by my election as President for the year of The Surveyors' Institution. I recognise that as its first Scottish President this honour is more than a personal one, and it is one which the members of the Scottish Branch much appreciate. Though resident at a long distance from the main centre of The Institution's activities, I shall do my best, within the limits which geography and *Anno Domini* impose, to discharge the duties of the office to the best of my ability, though I can hardly hope to equal the success of my immediate predecessor Mr. McClare Clark in that regard, which, despite the distance of his professional sphere of activities from London, was singularly praiseworthy. My practice and experience being entirely Scottish, I must rely upon the indulgence and assistance of my colleagues in matters which more particularly pertain to English conditions.

I need hardly say that I esteemed very highly the

opportunity afforded by the recent Annual Country Meeting of The Institution of welcoming in Edinburgh our fellow-members from the south. On behalf of my colleagues of the Scottish Branch I should like to say how pleased we were by the large attendance of English members who undertook the long journey north, and how gratified we felt at the manifestations of interest and pleasure in the various items of our programme to which they gave expression. I need not attempt a detailed description of the meeting as that has already appeared in the *Journal*, but I may say with truth that the members of the Scottish Branch enjoyed to the full the opportunity of acting as hosts to their fellow-members from England, and, further, that the meeting itself did much to strengthen the position of The Institution in Scotland.

Incidentally I am glad to say that the Scottish Branch's activities give evidence of vigour and usefulness. As members may know, it conducts annually in Glasgow the examinations of Scottish candidates for admission, and the large number introduced at the last Annual Meeting proved it to be in a flourishing condition. A Junior Branch has been founded, and during the winter months a series of lectures on subjects of professional interest has been arranged for their benefit. A library of standard professional works also has been established in Glasgow, of which advantage has been taken by a large number of members, and to which additions will be made from time to time. As evidence that the Scottish Branch of The Institution is becoming recognised officially, it may be of interest to mention that the Committee prepared a memorandum for submission to, and gave evidence before, Lord Dunedin's Committee on Local Taxation, and also drew up a reply to the official *Questionnaire* of the Departmental Committee on the Rent Restrictions Act and gave evidence before that body.

Before turning to the main subject of my Address this evening, I feel it incumbent upon me to touch shortly upon a matter which has aroused wide interest throughout the profession in all parts of Great Britain. I refer to the steps

which are being taken by the principal societies concerned for the better organisation and regulation of the profession by means of a Registration Bill. Mr. Clark in his Presidential Address a year ago outlined the position at the time, and stated that an effort would be made during the coming Session of Parliament to secure legislation. Since then the Landed Property Practitioners' (Registration) Bill has been drafted. Sir Edgar Chatfeild Clarke, a brother of a late President of The Institution, was good enough to undertake its introduction in the House of Commons. It was read a first time and ordered to be printed, but unfortunately it was crowded out by prior Bills on the Order Paper on the date allotted for its Second Reading, and consequently made no further progress during the Session.

On the whole this was not perhaps to the disadvantage of the Bill. A certain amount of opposition, friendly and otherwise, to the measure in its original form was disclosed, and the Joint Committee of the three promoting societies have since been engaged in considering amendments which have been drafted with the object of eliminating any opposition for which there seemed reasonable ground. I have every reason to hope that the Bill will be re-introduced next Session in a form which may prove more generally acceptable.

It is, therefore, important that members should show that in promoting this legislation they are mainly influenced by a desire to improve and regularise the qualifications necessary for the practise of their profession, and thus to advance the interests of the public by making those who practise it more competent to carry out the responsible and often difficult duties entrusted to them.

There are two other matters of such importance to the profession that the Council have thought it desirable to issue to members special explanatory publications thereon. In May last a Memorandum on the Town Planning Acts, prepared by the Council with the legal assistance of Mr. William Allen, was circulated; while in September they sent out a Memorandum on the Rent and Mortgage Interest Restrictions Act, 1923, prepared by Mr. Graham

Mould and bringing up to date his work on the earlier measure, which was issued in July, 1920.

With regard to the former I would remind members that a statutory obligation has been imposed upon all the more important urban authorities to prepare town planning schemes within the next six years, and that this requirement will involve the regulation of development over many thousands of acres. Property ripe for building, or likely to become so in the early future, will be affected in all parts of the country, and it is essential, therefore, that surveyors responsible for the management of land liable to be included in schemes should make themselves familiar with the various Acts and the procedure thereunder. It seems clear that town planning has come to stay, and the heavy expenses in connection with necessary town improvements imposed upon local authorities by haphazard development in the past would alone seem to justify the movement. In order to be successful, however, it must have general support, and mutual co-operation between local authorities and landowners is, therefore, of first importance. If they can act together and agree upon the broad outline of the scheme, the details should present little difficulty of adjustment. I take this opportunity of urging upon those representing landowners in urban and semi-urban districts to get into touch with the executive officers of town planning committees and with the agents of adjoining estates, in order to lay down mutually agreed-upon lines of development. With a determination to surmount difficulties, and a single-minded desire to arrive at a settlement, I feel assured that this can be done, and that in the long run the landowners will benefit by the greater feeling of confidence which will be engendered. No doubt some of the members who recently visited Edinburgh appreciated the advantages of the town planning scheme adopted there last century, which has resulted so successfully in the development of the city from Princes Street northwards.

The Memorandum on the Rent Restrictions Act deals with a matter of even wider present application than the Town Planning Act, though fortunately it has not the

permanent character of the latter. I do not propose to deal in detail with its provisions, as these have been fully discussed in the recently issued Memorandum prepared by Mr. Graham Mould. The provisions of the earlier Act have been the subject of almost endless litigation, and Mr. Mould has carefully summarised the legal decisions in these cases in his comments on the new measure.

As you will be aware, the Council drew up an exhaustive statement upon the position under the 1920 Act, which formed the text of Mr. Gerald Eve's valuable evidence before the Departmental Committee which was set up by the Minister of Health to consider and report upon the position which would arise on the termination of control in June of the present year. While the Council made a number of proposals for removing or modifying difficulties which had disclosed themselves under the original Acts, they strongly urged that the need for emergency legislation of this class was due to the shortage of houses, and that the only real way of doing away with that need was to strike at its very root by putting an end to factors which militated against their erection. One of the principal of these was the Restrictions Act itself. The control established thereby had done much to destroy confidence among the three classes whose co-operation was needed to provide houses—the builder, the capitalist, and the investor, and until control had been withdrawn and confidence re-established, a vicious circle would be set up in which shortage would be followed by restriction, while restriction would not be removed until the shortage had been made good.

The new Act, while not going so far as those looking to the future might wish, at any rate makes a beginning in the withdrawal of control. In certain circumstances properties are freed from restriction, while in other cases the restrictions are made less onerous. The life of the principal Act is terminated definitely in June, 1925, but Part II. of the new statute gives certain general powers to the court to relieve sitting tenants from alleged hardship or oppression for a further period of five years. Part II. also empowers the Minister of Health to establish reference committees, to whom

such questions may be referred by the court for consideration and report. These provisions have caused a good deal of apprehension among builders and possible investors in property, as setting up a precedent which might be dangerously extended by future legislation. They may, therefore, to some extent counteract the good effect of Part I. of the Act in restoring confidence in house property as an investment. We must, however, hope for the best, and trust that, with a renewal of activity in the building industry, a sufficiency of houses may be built during the next two years to remove entirely any real ground for further legislation of this character. I think that all who have a personal experience in housing questions will agree that the growing population can be far more economically housed by private enterprise than by public authorities. Incidentally I am glad to observe that recently in the suburban district of Edinburgh there has been a very marked revival of private building activities, mainly for villas of the smaller class, though these appear to be of a less substantial type than was general in pre-war times.

In my case the selection of the principal subject for my Presidential Address is rendered not less easy by the fact that my two immediate predecessors discoursed to us upon agricultural questions. I have, however, decided to follow that precedent inasmuch as no greater problem than the present agricultural position presents itself—apart from which, probably a brief survey of Scottish agricultural conditions during the past half-century, and of the difficulties which now confront it, with some reflections on the effect of these on the rural surveyor's practice and prospects, may not be uninteresting or inappropriate.

My connection with Scottish agriculture goes back to 1868, the year in which The Surveyors' Institution was founded. In that year I entered the University of Edinburgh as a student, and for several winter sessions studied the various sciences which are allied to agriculture. I recall at the time that, having been born and brought up in an agricultural district where farming was practised on the most up-to-date methods, I began my college studies with the youthful com-

placency and confidence that, being fairly grounded in the practical side of matters, I probably knew more of the business than any professor of agriculture was likely to teach me. These crude self-confidences were, however, dissipated as time passed and the applications of the allied sciences revealed themselves, and I left that University, I think, a humbler and, I hope, a wiser youth than when I entered it.

It may be interesting to recall that the advantages of technical agricultural education were appreciated in Scotland long before the period to which I refer, and in the earlier part of last century the Chair of Agriculture in Edinburgh University was filled by the eminent Professor Lowe, whose masterly work on landed property, published in 1844, stamps him as a high authority on agriculture and rural economy. It is one which deals exhaustively with such problems, and may still well repay study, and it supports the opinion, which I have long held, that the first equipment which a rural surveyor should possess is a bed-rock knowledge of agriculture.

On the practical side one matter stands out very clearly in my recollection, viz., that while then the general standard of farming was probably lower than at present, and while of course the methods of cultivation—by means of labour-saving machinery, and in many other respects—have made vast strides during the past half-century, it is hardly open to question that the organisation and systems of management of the best class of farmers of those days were certainly excellent, as were also the crops which they produced.

The conditions in the late sixties and early seventies were favourable for agriculture, as were also the seasons, with the exception of 1872, which was disastrously wet. How much seasons influence produce was well demonstrated that year, as I clearly recall. In the fine season of 1871, on a high farm, I grew 80 bushels per acre of Tartarian oats at an elevation of 800 feet above sea level, while in the immediately adjoining field, in 1872, the yield was only 28 bushels per acre. Probably climatic conditions may be

more variable in Scotland than in England, but another instance of their variation in the north recalls itself, viz., that whereas in 1868, which was an abnormally dry and early year, the harvest was completed on the farms in which I was interested by about the 24th August, in the cold and late years of 1877 and 1879 it commenced only on the 5th and 7th October respectively.

These unfortunate seasons marked the commencement of the depression in the industry in Scotland, which up to 1876 had been highly prosperous. During the ten years ending then wheat had averaged about 48*s*., barley about 38*s*., and oats about 28*s*. per quarter, which, having regard to the then costs of production, were profitable prices, though it should be added, as is common knowledge, that wheat bulks much less largely in the Scottish rotation than in the English. The other produce of arable farms also realised in these times generally profitable prices, and in the result land let freely at full rents.

The general practice in Scotland at that time was to let farms on 19 years' leases which provided security of tenure for that period, and under that system farming had made marked progress. The advent of the two disastrous seasons of 1877 and 1879, and the subsequent drop in prices which the early eighties brought, spelt disaster to those whose rents had been fixed under leases entered into in the earlier and better times, and in the result leases, which then seldom contained any provision for breaks at stated periods, became contracts which for all practical purposes were binding only on the landlord, as many tenants were not in a position to fulfil their obligations thereunder.

During the two succeeding decades these adverse conditions became intensified, and owing to huge importations wheat dropped by nearly £1 per quarter, and barley and oats by about 8*s*. to 10*s*., while imports of live and dead stock increased remarkably, completely upsetting previous calculations.

The effect both on the land market and on the demand for farms to let was very marked, but in cases where long leases were current, landlords as a rule met tenants

generously in the readjustment of rents. Some farmers went out of the business for a time, though probably, finding themselves ill adapted for other callings, many of them returned to the land later when signs of improvement manifested themselves.

Such indications were in evidence in the early years of the present century, and by 1910 there was a marked improvement in the agricultural position in the north, which was maintained until the outbreak of the Great War.

It is unnecessary to deal in detail with the abnormal conditions which developed during its continuance and have emerged since its close, and which respectively represent fictitious prosperity and the reaction incident to such circumstances. The latter is largely no doubt due to the economic position, and is not likely to be removed until stability is restored. It is a substantially different kind of depression to that which beset the industry in the latter part of last century, and from which it was successfully emerging before the war.

The problem of the moment is a difficult one, as the costs of production have not fallen in the ratio of the value of the produce, and as the costs of living are still very high—abnormally so compared with prices obtained by the farmer—it is difficult to see how farm labour charges can be further reduced while those conditions continue. Tradesmen's wages still form a very onerous item.

In the result the tendency is to sow land down to pasture, and the problems of rural depopulation and diminished home production of food are again with us.

The only branches of agriculture which are not adversely affected by present conditions are dairying, which appears to be holding its own, and stock rearing, and particularly sheep breeding, which has been for some years and continues to be highly profitable, the current rates for both hill and park lambs and draft ewes being more than double the average prices obtainable during the past half-century. It is, however, a curious coincidence that, notwithstanding the existence of these abnormal prices, rents for sheep farms have, as a rule, advanced little, for the reason that, where

sheep stocks have to be taken over by valuation or otherwise at entry, there is a substantial risk of heavy capital loss when prices become more normal. On the other hand we are confronted by the curious anomaly that rents of arable farms, where on the market, have advanced materially, and the demand for desirable holdings is still very keen.

The foregoing observations relate briefly to agricultural conditions on farms of ordinary extent, which, though variable, are distinguished in these latter days from small holdings and from crofts, both of which classes are numerous, particularly in the north of Scotland.

The smallholders during the period of depression last century must have felt its effects as keenly as the farmers, and in the result many of such holdings became tenantless and were merged into the adjoining larger farms, with the unfortunate result of increasing rural depopulation which the limitation of cultivation had caused.

Notwithstanding this, statutory efforts have been made on both sides of the Border to constitute new small holdings and to settle men on the land by methods which are admittedly uneconomic, and which, except where the circumstances are propitious and where the settlers are hardy practical people, do not appear to hold out much prospect of success. On the other hand there are undoubtedly in Scotland many quite successful small holdings where the holders have been reared to the business and understand it, and perhaps no more outstanding case has attracted notice in recent years than that of the Aberdeenshire smallholder who bred in one season the champion Clydesdale stallion and mare shown at the Highland and Agricultural Society's show a few years ago. My predecessor, it may be recalled, also gave interesting information as to the success of small holdings in his district where suitable men worked them.

All holdings of less than £50 of rent or of an extent not exceeding 50 acres are now by statute considered small holdings, the occupants of which, if they choose to exercise their rights, have practically fixity of tenure at rents fixed in Scotland by the Land Court. The number who have

availed themselves of these statutory provisions in proportion to the total number of such holdings is, however, I believe very small, which points to the continuance of good relations between the owners and occupiers.

While the State constitution of small holdings had for its main object the maintenance of the rural population and the provision of ladders by which agricultural workers might improve their position, it is a curious commentary on this aspect that in Scotland comparatively few ploughmen have become smallholders, and the agent of their Union has deprecated their taking steps to acquire such holdings. This seems unfortunate, as obviously no class of man is more likely to be successful than those who are familiar with the work and life and with the necessities these demand.

No review of Scottish agriculture, however brief, can be complete without touching on the crofting interests, though it is to be feared that they contribute but little to the industry's success, in the sense that the crofter cultivates mainly for subsistence, and that, in many cases, a very precarious one—particularly where he has not the facilities for carrying on fishing or some other work in conjunction with his croft. The Government forestry schemes may in some cases help smallholders and crofters, and while some find work as gillies on the deer forests and shootings, and also in quarries where such exist, in many crofter settlements no such aids are available, and subsistence is in such cases confined to the results of cultivation and grazing on a limited scale, often by far from up-to-date methods, and generally on poor land with a highly precarious climate particularly in the islands. The controversies which have gone on for years as to the limitation of deer forests with the object of settling more men on the land has two sides to it, as the remuneration obtained by many crofters from forest employment, including the hire of their ponies, is a material factor in their annual budget. One crofter on a sporting estate who was recently congratulated on having a nice well-equipped croft told me it was worth nothing without the forest. The Congested Districts Board and their successors the Board of Agriculture for Scotland have

done a good deal by the provision of proper breeding animals for the use of the crofters to improve their stock, and in other respects have endeavoured to provide assistance to them in their calling; but, after all, it is to be feared that this system can never offer much more than a bare subsistence, much as we admire the tenacity with which they cling to their native soil, and still more their response when called to the Colours in defence of their country's freedom.

The latest evidence of their preference for adherence to the land instead of taking part in economic developments is demonstrated by the failure of Lord Leverhulme's magnanimous efforts in the latter direction in the Lewis and his ultimate still more magnanimous offer to hand over the island to the inhabitants. From the point of view of the surveyor his purchase must have involved a curious problem in valuation, inasmuch as the owner's rates were understood to be well over twenty shillings in the £, and even if under the proposed scheme they can be substantially reduced, as is suggested in some quarters, it is to be feared that the lot of the islanders will be poor compared with what it was under the previous and might have been under the present proprietors, one of whom spent and the other of whom was prepared to spend a princely fortune in its development.

All this goes to show that the island crofters particularly are not people who see visions and dream dreams of development, but who prefer to live placidly on their land even if this involves land raiding when the districts become congested. They have never taken kindly to emigration, and their sentiments in that regard are beautifully set forth in the fine lines taken from the Canadian Boat Song:—

> "From the lone sheiling on the misty island
> Mountains divide us and the waste of seas;
> But still the blood is strong, the hearts are Highland,
> And we in dreams behold the Hebrides."

During the period under review there has been much land legislation, and apart from the Agricultural Holdings Act of 1883 and its subsequent amending Acts, which have now been consolidated along with what remains of the Agri-

culture Act of 1920 by the Agricultural Holdings (Scotland) Act, 1923, there were passed in 1880 the Hypothec Abolition (Scotland) Act and the Ground Game Act, while in 1886 there followed the Crofters' Holdings (Scotland) Act.

The general tendency of the legislation passed has undoubtedly been in favour of the tenant, and the Holdings Acts have secured on quitting his holding the value of improvements executed by him which previously passed to the proprietor. Though the questions arising under these Acts have probably in the majority of cases been settled by negotiation—in many instances under terms specially arranged in the leases under which the land was held—they have also given rise to much arbitration and, where points of law arose, to not infrequent litigation.

The recent Consolidation Act incorporates the provisions of the Agriculture Act with respect to compensation for disturbance, which, as is well known, were enacted to improve the security of tenure enjoyed by tenants, and otherwise to provide compensation for those who were disturbed in possession, provisions which so far appear to have worked fairly smoothly.

It is common knowledge that the great increase in burdens affecting landed property which has occurred during the present century was largely responsible for the breaking up of estates which has taken place during the last few years. The favourable prices current for produce during the later war period and the first few years after peace was declared, as well as the promise of guaranteed prices which the Corn Production and Agriculture Acts enacted, enabled and largely influenced tenants to purchase their holdings, often at rates which the prices now current cannot justify. This state of matters has seriously prejudiced the position of the present owners, who not unjustly complain of the result brought about by the abandonment of the guarantees enacted. On the other hand such tenants as did not see their way to purchase in the event of sales had to remove from their holdings, and, with the very restricted number of farms in the market to let, their position was greatly prejudiced by the competitive rents obtained for these.

These conditions have obviously accentuated the difficulties with which the industry is beset, and inasmuch as relief by means of subsidies has hitherto proved to be beyond the region of practical politics, the position is undoubtedly serious. The Government have afforded some relief under the Agricultural Rates Act, and they have also provided some measure of assistance under the Agricultural Credits Act to those who have purchased their holdings during the period when the Corn Production Act was in force, by offering advances for long periods on the security of the subjects, and by affording on certain terms credit for business purposes. Under the Rates Act in Scotland landlords will also receive a small measure of relief, which seems only equitable. An obvious inequity, however, appears to be that the relief apparently only applies to agricultural land situated outwith burghal districts, while the result of city extensions has been to include large areas of arable land within their boundaries. Taking Edinburgh as an illustration, it now extends to over 30,000 acres, and the agricultural rental within its environs must exceed £50,000, which will not participate in the relief enacted. It is provided that the measure of relief thus afforded to the tenant shall not be taken into account by arbiters in fixing fair rents under the Agriculture Act provisions.

These provisions will, no doubt, afford some relief under the present immediate emergencies, but they will do little to meet the serious position under which agriculture at present stands. While, as indicated, the taxation of food was looked upon as politically impracticable, an exception was, for the time being, held out as regards foreign barley, which also appears to have been illusory, and the pressure brought to bear on the Government with reference to admitting foreign potatoes only under licence when circumstances justified has not proved acceptable. Inasmuch, however, as it has long since been proved, that in this one department of food production the country can more than produce its necessary requirements, and keeping in view the gigantic losses incurred last season, totalling, I believe, about ten million pounds, one hardly sees the objection to affording

the small measure of protection which farmers demand in this department of their business.

Looking back on the potato industry during the past half-century, my experience has been that, if the yield was anything more than a fair average, there was always a surplus to be fed to stock or to be manufactured at farina mills where these existed. I recall, however, no instance of such a slump as occurred in connection with the crop of 1922 when thousands of tons went to waste, and when many more thousands were consumed by cattle, which left little or nothing for their keep. In the result the area under potatoes in England alone this year has been reduced, I observe, by about 90,000 acres, while the Scottish figures show a reduction of 20,000 acres. This seems unfortunate in respect that the crop is an important one in the rotation, as it cleans and meliorates the land, and at the same time employs the largest amount of labour of any of the crops grown.

Both the Agricultural Tribunal of Investigation and the Departmental Committee, of which Lord Linlithgow is Chairman, and which was set up to investigate the methods and cost of marketing agricultural produce, have referred to co-operation as a panacea for the alleviation of the agricultural position. It is true that in some parts of the country successful co-operative societies for the purchase of farm requisites have been established, but perhaps of greater importance is effective organisation for the purpose of sale, in order that the difference between the price paid by the consumer for agricultural produce and the return to the producer may be reduced. All who have studied the subject must have been impressed by what has been done in the way of co-operative marketing not only in European countries such as Denmark, but also in the British overseas dominions.

Lord Linlithgow's Committee have published interesting reports on the marketing of meat, poultry and eggs, fruit and vegetables, milk and milk products, and, more recently, on wheat and bread. Their investigations point to the conclusion that the difference between the price paid by the consumer and that received by the producer is greater than

the services of the distributor would seem to justify. The fault, however, would appear to be not so much that any individual distributor receives an undue share of the profit, but rather that the method of distribution is insufficiently organised, involving the transmission of the produce through an unnecessarily large number of hands. Both the Tribunal of Investigation and the Committee on Prices strongly urge the need for better organisation, a matter in which unfortunately our farmers have, up to the present, shown little initiative. We must hope that the reports of these Committees will have the desired effect in directing agricultural attention to this important business aspect of the case. Movement in the direction of complete organisation, however, must necessarily be tentative and slow, and we can therefore look for very little assistance from this source in the solution of our immediate problem.

Suggestions have been made that agriculture is in many instances not carried on by sufficiently up-to-date business methods, and there may be something in this contention, though, in my opinion, that view cannot be maintained as regards the larger proportion of Scottish holdings, which are generally managed on advanced lines by intelligent occupiers. I should be the last to belittle the benefits of technical education, and in the agricultural sphere this is doubtless as useful as in any other. It is common knowledge, however, that for many years now the agricultural colleges and travelling lectureships, as well as the benefits of the press, have been at the disposal of the farming community, and I should very much doubt whether the immediate application of higher and more technical knowledge than is at present available would solve the riddle and meet the contingencies with which farmers are at present faced. I recognise that it is a condition which is not confined to agriculture, and that many other industries find themselves face to face with gigantic difficulties in these times; but the position of agriculture is a matter of national concern, not only in respect of the provision of our food supply, which recent war experiences proved to be a matter of grave anxiety, but we have also to face the more

immediate question of unemployment and reduction of the rural population with intensified urban housing deficiencies incident to the restriction of cultivation which is bound to result if present conditions continue.

While recognising the difficulties which any political party would have to face should it propose to tax the food of the people or to impose a subsidy as regards its production which is the equivalent of a tax, and while admitting quite frankly that I am not a believer in either props or subsidies as a permanent solution of such problems, I can suggest no other remedy which would have the immediate effect required if the arable farmer is to be preserved in the present crisis. That other palliatives exist I have already indicated—co-operation, better organisation in marketing produce, education, and research—but good though these may be, their action must necessarily be comparatively slow, and in this case, if the patient is to be saved, the action of the antidote must be speedy. It appears to me, therefore, that a temporary measure of relief on the above lines would be justified in order to meet the temporary and artificial dislocation of world prices following war conditions, and to enable the industry to tide over its present difficulties until stability is restored and it is again able to stand upon its own feet. In such controversies anything of the nature of State assistance by means of a tariff or subsidy is anathema to many electors; but it is to be hoped that more sensible views may prevail, and that the unemployment problem, as well as the restriction of the food supply and rural depopulation with consequent overcrowding in the cities, may appeal to those who are not prejudiced beyond reason. The solution of the problem, which is admittedly a grave one, demands immediate attention, and I am glad to observe that the Prime Minister has indicated that it will receive this.

In closing, a few reflections on the effect of these changes on the surveyor's profession suggest themselves. I recall that in the earlier years of the depression of last century valuers discussed the probable effect of rent reductions on the land market, and a number of experienced men in the

early eighties ventured the opinion that if sound though lower rents were adjusted, there was no reason why land should not be as well worth 30 years' purchase—which was about the prevailing average figure before the slump—as ever it was. No doubt the price of land like that of other securities depends to some extent upon the price of money, but even subsequently when money was plentiful and cheap it was found that land was regarded as by no means an attractive investment, and as the years passed without any sign of improvement in values of produce transactions at 20 years' purchase and less were not uncommon. Apart from the financial aspect, the amenities of land-owning were curtailed from time to time, while the tendency to increased taxation—which latterly has become so burdensome—added to the difficulties of realisation. In Scotland in those times the realisation of estates by partition was not common, and many sales *en bloc* showed great shrinkage on previous purchase prices.

With all these phases and changes in market values the surveyor must keep in touch as well as with the legislative enactments which have come into being and which have created opportunities for his usefulness. The extensive realisations of landed estate in recent years have kept many valuers busy, but it may be doubtful whether in the result the dismemberment of properties which have passed into the hands of occupying owners will not reduce business in other departments.

In the sphere of land agency it has certainly had that effect, and a number of agents have found their occupation gone. Under the various Acts of Parliament recently passed, however, additional work for the profession emerges, and while the reconstruction schemes of which we heard so much after peace was declared have so far, for obvious economic reasons, fallen flat, when stabler conditions are reached I do not despair of development. In Scotland, Acts have been passed for extensive hydro-electric power schemes, and the resources of the country in that regard are far from exhausted, and are indeed only beginning to be tapped. Railway enterprise has been checked by tramways and the petrol-

driven competition of road conveyances, which, however, will necessitate new and improved road developments. Taking a broad view of future necessities, it appears to me that the properly qualified surveyor may look forward to the future with hope, and looking back on a fairly long experience of the duties—often interesting as well as onerous—which I have been called upon to discharge, I can say with confidence that, had I my career to begin again, I should select the profession in which I have so long practised.

Sir Edwin Savill (Vice-President), O.B.E., in proposing a vote of thanks to the President for his Address, said it must be increasingly difficult to find a subject for a Presidential Address which was novel, or to deal in an interesting way with a subject which had already been dealt with by a former President in his Address. The members ought to be very grateful to the President for his discourse upon Scottish agriculture, it being a subject upon which the majority of those present had little knowledge, and as to which they had learned a great deal that evening. The President had thanked the members of The Institution for electing him to the Presidential Chair, but he thought they ought to thank Mr. Davidson, a busy man, with great responsibilities in the North, for being willing to give up his time and take on the very exacting duties of the Presidential Office. It meant that he would have to travel thousands of miles, and it was impossible to calculate the amount of time and trouble which he would have to give to his duties during his year of office; they were very grateful to him for undertaking such an arduous task.

He would also like to take the opportunity of thanking the President and the Scottish Committee for the excellent arrangements which had been made for the visit to Edinburgh. They were glad to hear of the activities of the Scottish Branch and to know that the Scottish Committee was becoming recognised as an authority on all matters in connection with land.

Turning to the main subject of the President's Address,

it was interesting to hear that farms used to be let on 19 years' leases in Scotland, which gave a great amount of security of tenure, but in spite of that—or because of it—during bad times farmers were not able to carry on, and those who had long leases suffered perhaps more than those who were on yearly tenancies because they were held to their liabilities and could not get rid of their farms. He thought it was a good thing to know that security of tenure had been obtained by other means, and that now, if a farmer wanted to go, he could go, and if a landlord wanted to get rid of a bad tenant, he could get rid of him. That was an excellent state of things; he had always contended that long leases would never be popular with farmers, and never do them any real good.

The position of agriculture at the moment was serious. There had been very heavy losses in many districts. He thought, perhaps for the first time, with the exception of the war period, the country was really interested, and was prepared to give some assistance to the farming industry.

There had been lengthy discussions lately as to the best method of giving this assistance. The discussions appeared to have centred upon a scheme of paying a certain fixed sum for every acre of arable land in every holding. Such a scheme would undoubtedly be a great benefit to agriculture generally, but he thought it was a little doubtful whether it would carry out its main object, which was to supply sufficient food in times of war, especially wheat. The cereal farmer had suffered more than anyone else; he was the man to whom they would have to look for food during the next war, as they had looked to him during the last war. He believed the country was ready to help, and it seemed to him of great importance that any scheme which was seriously put forward should be one which the country would not only approve in its inception, but must approve on the results obtained. The payment of so much an acre would be of great assistance to the light land farmer, but he very much doubted whether the sum paid per acre would be big enough to enable the farmer of heavier lands, who was

the wheat-growing farmer, to continue to keep his land under cultivation; if it did not do that, the scheme would fail, and that would be the end of assistance to agriculture. Personally he was very doubtful on the matter, and felt that on paying so much an acre on arable land a great deal of the money expended would be wasted, because it would go to men who really did not need it; it would go to men who were doing quite well now in milk production, sheep, vegetable growing, fruit growing, and so on. If the sum to be expended were given solely to the corn grower, it would, he believed, have a better effect. He had always contended that if wheat growing could be made profitable in this country, agriculture as a whole would be successful. It seem to be obvious at the present time that wheat-growing lands were competing with the milk producer, the stock breeder, the sheep farmer, and with all the other departments of agriculture. If the wheat-growing land could be made to grow wheat, then the other departments of agriculture would not have the wheat-growing land in competition, and would, therefore, be doing more profitable business. He believed that statement to be absolutely sound, but farmers were opposed to assistance being given to wheat growers in particular, because they naturally all wanted to get something out of it. He did not for one moment believe that that point of view was sound.

He desired to propose a very hearty vote of thanks to the President for his instructive Address.

Mr. John Gilchrist (Fellow) seconded the vote of thanks, and tendered Mr. Campbell Murray's regrets for being absent. Members of The Surveyors' Institution in Scotland felt that they were a not unimportant part of a very distinguished body. Owing to the efforts of the President and one or two other members, particularly Mr. Campbell Murray and Mr. William Fraser, in bringing to the front the Scottish Branch, membership was a coveted honour. The Scottish members were very proud of the fact that a Scotsman had been elected President.

In the west of Scotland in 1923 agriculture had suffered more damage than in almost any of the years that the President had referred to; hay and oats were much damaged, and potatoes were yielding only about two to three tons an acre. That state of things was due, however, to the weather, and they looked forward to better times. The President had said in his Address that he was not in favour of props or doles, or anything of that kind, but he had fallen away for temporary reasons. He (the speaker) was not a politician, but he was a Tory free-trader. He deplored the want of outspokenness by politicians. It would be very difficult to get anything that would satisfy the agricultural community as a whole, as those who were interested in wheat, barley, milk, beef, &c., were all pulling at the Government. They must remember that during the war the farmers had cheaper labour with rising prices; now they were having dearer labour with falling prices. There was very great sympathy with those who had bought farms when values were at their height. They were sorry to lose the old landed proprietors, of course, upon whom the farmers depended, but it seemed that their time had gone, and their position was not an enviable one.

Unemployment was the excuse which was put forward for tariffs, but if they imposed tariffs and raised the cost of living, a larger dole would have to be given, and a vicious circle was set up. Ten or twelve years ago the feeling had been that one had to live on what he could make, but now the feeling was that he must get what he required to live on, whether he made it or not. A higher standard of living had been attained, and it was very difficult to go back to the old standard, but it must be done.

He had been very pleased to hear that the President had gone to the University in 1868, while working on a farm. The real secret of success was practice with science; it was necessary to know why one did things, but it was also necessary to have experience in the handling of a fork or the building of a load of hay; that was specially so with regard to those who desired to become rural surveyors. He had also been pleased to see so many young men come forward

for introduction on election to The Institution, and he suggested as their motto:—

> "If I were a cobbler I would make it my pride
> The best of all cobblers to be;
> If I were a tinker no tinker beside
> Would mend an old kettle like me."

There was still hope in the future for young men in the profession. There would be even more work to be done in the future, though, in his opinion, of a different kind, than there had been in the past.

He had had the pleasure of the President's acquaintance for 25 years, and during those years the President had been his ideal as a land valuer and arbitrator; he had been the acknowledged head and shoulders of the profession, and what he did not know in connection with land in Scotland was not worth knowing. He had considerable experience in giving evidence in court, which he did with great effect. He (the speaker) had found him sincere in his friendship, far-seeing in his judgment, and always concise and fair in his awards. In Scotland other valuers feared him as an opponent, respected him as an arbitrator, and loved him as a colleague.

The vote of thanks was carried by acclamation.

The PRESIDENT, in reply, expressed his thanks to Sir Edwin Savill for his kindly reference to himself. It was certainly a somewhat strenuous task for a man who was at college in 1868 to undertake the presidency of The Surveyors' Institution; but while it was true, as had been said, that if he were spared he would have travelled, before all his duties were discharged, a few additional thousands of miles, nevertheless that was the sort of life to which he had been accustomed, as during the last half-century the proportion of his life which had been spent in conveyances of one kind or another was not inconsiderable. He greatly appreciated the honour which had been conferred upon him, and would do all he could to discharge the duties of his office to the best of his ability.

The agricultural position was serious. What remedy would be suggested by the powers that be they could not at the moment conjecture, but it had been suggested that it might take the form of a subsidy on arable cultivated land. If that suggestion were adopted, for the reason put forward by Sir Edwin Savill, it was a matter which was far from being free from difficulty in reaching an equitable result, because agricultural arable land was partly land that was devoted to the rearing of stock; for example, sheep were bred on turnip and barley land, and lambs were reared and fed. There was a large proportion of such arable land on farms which he was not prepared to say needed a subsidy at all. On the other hand, in wheat-growing districts, particularly in the south and east, of which he spoke with some diffidence, not being familiar with all the circumstances, he could readily understand the position was more serious, and there were arable areas in Scotland, not conjoined with stock-breeding, where the position was also serious, though the production of wheat there was limited. All he was going to suggest, therefore, was that if the assistance, of whatever nature it might be, took that form, it would have to be very carefully thought out and safeguarded. In any event he was quite satisfied that a remedy was urgently necessary for arable corn-growing farms, and he hoped that some appropriate method of dealing with it would be discovered.

In thanking Mr. Gilchrist for the kind things he had said, he desired to say that as a witness he had always endeavoured not to pose as a person who could be smart, or pert, or clever, but as one who knew what he was talking about and was careful to talk about it fairly and reasonably. He regretted the absence of Mr. Campbell Murray, Chairman of the Scottish Branch, but thought that he had been admirably represented by Mr. Gilchrist.

Paper 478.

AEROPLANE PHOTOGRAPHIC SURVEY.

By Major M. N. MacLeod, D.S.O., M.C., R.E.

To be read at the Ordinary General Meeting of The Surveyors' Institution on Monday, 10th December, 1923.

The process of survey may be divided roughly into two parts, the first consisting of the fixing, by instrumental observation and subsequent computation, of the positions of a certain number of selected points, and the second the drawing in of the detail between these points.

Topographical surveys are really nothing more than sketches of the ground made by eye. Points for control are required only because hand and eye working together cannot accurately copy the ground except over short distance.

Even the most skilled workman has to fix for himself, with the aid of instruments, a very large number of points, and has to spend a long time on the ground, both for his actual drawing and for moving about over it. During all this time he is liable to be interrupted by weather or delayed by obstacles.

The attraction of the camera as an instrument of survey lies in its power to make an accurate picture of a comparatively large area, without the aid of an elaborate control of previously fixed points, in a very short time. More than fifty years have elapsed since the first attempts were made to exploit its possibilities for this purpose, but until the advent of aeroplanes its successful use has been mainly as a means of replacing theodolites and other instruments for measuring angles and fixing points.

Attempts were made to employ it from balloons, for making a direct picture, by pointing it perpendicularly towards the ground to be surveyed, but the difficulty in

getting a balloon exactly over a particular spot was so great that practical success in these endeavours was small.

As soon, however, as the perfection of aircraft allowed the camera to be transported to a position vertically above any region, survey by what may be called "direct" photography became a practical proposition.

In considering methods of survey it will be convenient to discriminate between these two uses for the camera, that is to say, it may be used as an instrument for measuring horizontal and vertical angles, to replace the theodolite, compass or alidade, and clinometer, or it may be used to make a direct picture of the ground, replacing the hand and eye of the detail surveyor.

The development of aeroplane photographic survey may be said to have commenced in earnest during the Great War, when military surveyors had to apply themselves to the difficult task of making accurate large-scale maps of intricate trench systems.

Photographs of these systems taken from vertically above them showed them in complete detail, very much in the way they would appear on a map. All that seemed to be necessary was to enlarge or reduce the photographs to some particular scale and then to trace them on to paper—a process incomparably quicker and simpler than any form of detail survey carried out on the ground.

Experience, however, soon showed that the matter was not so simple as appeared at first sight, and that the "vertical axis" aeroplane photograph had several important limitations as a means of map-making. As these limitations do not yet seem to be fully appreciated, it may be desirable to consider them in some detail.

To obtain a photograph which can thus be enlarged or reduced and traced directly on to a map it is necessary, firstly, to ensure that the plate is exactly parallel to the ground at the moment of exposure, and, secondly, to determine the scale of the resulting negative.

The scale is easily found if the height above ground can be measured, but altimeters record only the height above sea level or above the starting point of the flight. We have

not yet discovered any satisfactory way of measuring the height above the ground vertically below an aeroplane in flight.

Again, if the ground is dead flat we may perhaps be able to place the plate parallel to it, but if the ground is hilly or undulating, all parts of the plate, which is flat, cannot be placed parallel to it.

Here, then, are two important practical limitations which make the "direct" system, in fact, inapplicable except in flat country.

Even in flat country we are at once faced with a difficulty in that it is not possible to keep the plate of an aerial camara exactly parallel to the ground. However it is attached to the machine, deviations of the optical axis of the camera from the vertical will occur, and we have not yet discovered any means of recording the magnitude and directions of such deviations.

Consequently we must be prepared to find in every negative, distortions of the image, indeterminate in nature and extent, due to tilt of the aerial camera, and before the photo can be used for mapping, these distortions must be eliminated.

Hitherto we have only been able to eliminate tilt distortion and determine scale by fixing on the ground at least three control points on each photograph. By noting the positions of these points on the negative, scale and tilt may be deduced, and the negative printed in such a way that the tilt distortion is eliminated. This process is termed "rectification."

Alternatively we may proceed to adjust or redraw the photo by hand in some systematic manner, so that the fixed points on the photo are brought into agreement with their plotted positions on the map.

The process of deducing tilt and scale, or of plotting, from control-points is admittedly a roundabout one, and it would greatly simplify matters if we could cut it out and work on a more direct system.

To do this two courses are open to us: one to attempt to stabilise either the camera or the aeroplane in the air

so as to get rid of tilt altogether, and the other to allow the camera in the aeroplane to take up any position, and to invent a device for recording the deviation of its optical axis from the vertical.

Both plans have their advocates. The stabilisation of so large a thing as an aerial camera by gyroscopes or other devices depending on force is a difficult matter and may be ruled out, but Professor Melvill Jones has shown that, by training pilots and by using a gyro rudder control, it is possible to stabilise the machine within quite small limits.

If this can be done and the machine can be flown at a uniform height, the photos taken can be fitted together so as to form a "mosaic" whose scale can be determined with very fair accuracy from only two points which appear on it.

Practically, slight variations of height will occur during the flight, and these "mosaics" require a certain amount of "adjustment" in addition to the simple enlargement or reduction required to bring them to a particular scale.

The photos have to be taken during a straight flight, and the prints when fitted together form a strip consisting of a dozen or more photos. Professor Melvill Jones has found that the most convenient way of making the adjustments necessary is to stick each print separately on to a long piece of elastic which is slightly stretched before they are attached. The prints are, in the first instance, enlarged or reduced as nearly as possible to the correct scale, and each is fitted as exactly as possible to the one next to it by means of any overlap there may be. The final adjustment is made by slightly easing or further stretching of the elastic.

A complete map can be made up by series of parallel strips having a small overlap with one another.

This is probably the cheapest, quickest and simplest method of covering an area, and is suitable for comparatively small-scale work where great accuracy is not essential and where the ground is not greatly accidented.

In the other direction the Air Ministry are working on a gyro tilt-recorder which is quite small and seems to hold out good prospects of success.

I will not, at this stage, attempt to compare the

respective merits of the two systems, because so far I have dealt only with the survey of flat ground and "vertical "axis" photograps.

When the ground is hilly, the "direct" system definitely breaks down. We cannot hope to obtain from a single negative, by any process of plotting or rectification, a drawing or print which will show the features of the ground in their correct relative positions.

In such ground the height of a point above or below a given datum plane will affect its position on the negative, displacing it from what may be called its "normal" position by an amount which is a function of the height of the point, its distance from the foot of a vertical line through the lens of the camera, and of the tilt, if there is any.

If we can find where the vertical through the lens meets the plate (this point is called the "plumb-point"), we can compute the tilt and rectify the photo. On the rectified photo we know that any displacement is radial from the plumb-point. Consequently if two photos of the same region can be taken from different view-points, and if the plumb-points of each can be found, the correct map position of any point common to the two photos can be deduced, as this true position will be the intersection of the lines joining its position on each photo to the respective plumb-points.

When the map position has been plotted the displacement on both photos can be found, and since this displacement is a function of three unknowns, of which two have been determined, the third, namely, the height of the point, can be calculated.

All the above is theoretically true, but practically the displacement of points near the plumb-point is so small compared with their heights that it is doubtful if this procedure would be of value when vertical photos only are used.

It seems probable that much better results would be obtained from photos taken at tilts of between 30 and 40 degrees.

We see, therefore, that although elimination of tilt

altogether is convenient for flat country, in hilly country a tilt-recorder would be much more useful. There is, however, another point to consider.

From the economic point of view the expensive part of an aerial survey is the cost of keeping a machine in the air. It is of the first importance to be able to photograph the whole area in the shortest possible time. The taking of the photographs must be organised so that each flight completes a definite area without unnecessary overlaps and without gaps.

Gaps are particularly troublesome, as it is difficult to locate them without a map on a subsequent flight, and it is said to be actually quicker to re-photograph a whole area than to attempt to fill in two or three small gaps in a previous series of photographs.

Now if the camera is not stabilised at all, it is obvious that gaps are much more likely to occur than if the direction in which the camera is pointed is controlled. From this point of view the stabilised machine has the advantage.

Up to the present, however, we have neither perfectly stabilised machines nor perfect tilt-recorders. For every class of accurate work, an indispensible preliminary to any aerial survey is a framework of control-points, fixed and marked on the ground by the surveyor on foot.

The problems of aerial photographic survey, then, resolve themselves into two different categories—

(1) The nature and extent of the control and how to provide it;

(2) How best to use the control-points for eliminating tilt and other distortion from the photographs.

A trigonometrical control executed on the ground is desirable, in fact necessary for any form of survey. For accurate as opposed to reconnaissance work it is essential. Aerial survey is no exception, but the points usually fixed by an ordinary trigonometrical survey will most probably be unsuitable for aerial work. Peaks of hills, beacons, tall chimneys, church spires, and similar features, conspicuous and unmistakeable to a man on foot, are often impossible to identify with certainty on an aerial photograph.

When vertical axis photos are used for the survey, it may be taken as certain that it will be necessary to supplement an ordinary trigonometrical survey in some way or other, fixing as control-points such features as road junctions, railway and canal crossings, corners of hedges, &c., which are conspicuous from the air.

This part of the work can advantageously be done after the photographs have been taken, as the points can be selected on the photographs and then identified and fixed on the ground. This will probably be cheaper than fixing and marking on the ground special points which may not prove to be suitably arranged on the photographs taken afterwards.

In an unsurveyed country one of the great merits of aerial photography is that, provided the photos are taken with a suitable camera, they can be used for precise work at any subsequent period. In the first instance a very accurate survey might be unnecessary, and a rough-and-ready map made by fitting the photos together, without troubling about tilt distortion at all, might be all that was required.

When each part of the area came to be developed, an accurate map could be made from the same photos as soon as a framework of control-points had been provided.

In inaccessable regions, where the surveyor on foot cannot penetrate—this is the problem of the military cartographer—the control can be provided only by some special method of aerial photography, making use of oblique as opposed to vertical axis photographs, and using the camera solely as an instrument for measuring angles.

It is theoretically possible to provide a control up to a limited distance in this way, and the various services concerned are engaged in work on this problem; but as the methods suggested are still in the experimental stage, I will not attempt to describe them.

I will assume that an accurate survey is contemplated and that an adequate control can be provided, and pass to a brief outline of the various methods which have been used

or suggested for making use of it. These may be divided into three classes :—

(1) Graphic methods ;
(2) Rectification methods ;
(3) Stereophotogrammetry.

In graphic methods the photo is usually replotted point by point by means of some form of "grid." This grid is first drawn on the map in a definite relation to the control-points, and a corresponding grid, distorted according to the tilt, is drawn on the photographs by some kind of geometric construction, based on the principles of perspective. By making the "mesh" of this grid sufficiently small, the position of any point can be interpolated on the map from its relation to the grid on the photo.

These methods, while correcting for tilt distortion, do not necessarily involve an actual determination of the magnitude, or direction, of the tilt itself.

"Rectification" methods depend on the use of a projecting lantern or some analogous device for projecting an image of the field negative on to an adjustable screen. The control-points, four in number for each photograph, are plotted on the screen, and camera and screen are adjusted until the corresponding points on the image project into these positions.

This adjustment can be done by trial, provided the projecting lantern is so designed as to give the various parts the requisite range of movement. It is, however, rather troublesome, especially if the tilt is considerable, as it involves correlated movements of the negative, and the lens as well as the screen.

The difficulties are due largely to the fact that the dimensions of the image have to be varied not only by the direct longitudinal movement required for ordinary enlarging but also by tilting the screen. This upsets the focus, which must be corrected by tilting lens and negative. This in its turn again alters the dimensions of the image, and so on.

This adjustment would be considerably easier if the process of taking the photo could be simply reversed ; if we

could, as it were, take the aerial camera out of the aeroplane, put a light behind it, and use it as a projecting camera.

It is, however, focussed for infinity, and we require an image on a screen a few feet away from the lens. Some systems of map-making do, in fact, employ essentially this system, and rely on stopping down the lens to sharpen the image, but I feel fairly confident that the results cannot be completely satisfactory.

In any case the adjustment by trial becomes very complicated if the control-points are of different heights, and in my opinion it is better to determine scale and tilt by a preliminary process and use these elements for calculating the positions for the various parts of the projecting lantern.

There are several ways of determining scale and tilt, either by graphic constructions or by computations based on linear measurements made on the negative. All these, again, are troublesome and complicated if the control-points are of different heights, yet it is precisely under such conditions that "rectification" is likely to be most useful.

I have accordingly suggested a purely mechanical solution by means of a piece of specially designed apparatus called a "tilt-finder." A trial model has been made by the Ordnance Survey, and an improved apparatus is now being constructed by the Royal Aircraft Establishment at Farnborough.

Those who are interested in the details will find a description of it in a recent number of the journal of the Royal Geographical Society.

Having determined tilt and scale, the positions in which to set the various parts of the projecting lantern, so as to give a print in sharp focus, to a given scale, and from which tilt distortion has been eliminated, can be calculated from fairly simple equations.

This computation and the setting of the parts in position naturally take a certain time; but when complete, the whole photo is dealt with in a short exposure plus a few minutes for developing and fixing the print.

There is undoubtedly a net gain in both speed and accuracy as compared with the tedious processes required in plotting a photo point by point by any graphic method.

Comparing the two, one may say that rectification methods are preferable when the map has to to be prepared *ab initio*, and that graphic methods are often convenient for adding information required to bring an existing map up to date.

Stereophotogrammetry, the third alternative, has been developed recently in Germany with a remarkable degree of practical success. Stating from the principle of the "stereo-"plotter" (invented by the late Major F. V. Thompson, R.E.), Professor Hugershoff, of Dresden University, has devised a machine called an "autocartograph," which enables a map to be drawn from two oblique aerial photographs of the same area taken from view-points sufficiently close together to enable the two to be combined as a stereoscopic pair.

It is necessary, as a preliminary step, to determine the positions and heights of the two view-points and the direction of the optical axis of the camera at each. This can be done by a preliminary computation if three control-points appear on each photograph.

From this data the machine can be set in adjustment and the stereoscopic view transferred quite mechanically on to a map or plotting-board. The method of operating is generally similar to that employed by Major Thompson and also in the "stereoautograph" of Von Orel. That is to say, a "mark" or "pointer" appears in the field of view, and can be made to coincide both laterally and in depth with any desired point in the landscape, which is seen "in "relief."

The apparent movements of this mark, as it is moved successively into coincidence with or along any features, are reproduced by a pencil travelling over a plotting-board. A special device enables the height of any point to be read off on a scale; or, alternatively, the height scale may be clamped at any particular figure, and a contour at that level drawn by keeping the "mark" in apparent coincidence with the surface of the ground.

It is claimed by the inventor of this machine that, provided three control-points can be fixed in the foreground of the picture, the whole landscape visible on the two photographs

(*i.e.*, that part which appears on both and forms the stereoscopic pair) can be drawn in as a map showing both planimetry and relief, with an accuracy equal to that of a plane table survey.

These claims were to some extent tested last summer when the aerial camera used in connection with this machine was sent over to England; two stereoscopic pairs of photos were taken of different areas, and sent over to Germany to be plotted.

A map was prepared from them on a scale of $\frac{1}{5000}$ and compared afterwards with Ordnance maps of the same area.

The results, as far as they went, were distinctly good, but showed that the method has some limitations; unfortunately no attempt was made to map the country in the background of the photos, only the foreground and middle distance in the vicinity of the control-points being completed.

The contours showed the shape of the ground fairly well, but in one pair, where there was an extensive wood, the contours evidently indicated the level of the top of the foliage, not the ground, which was, of course, invisible.

It would seem that when aerial photographs are used for accurate work on scales of this order ($\frac{1}{5000}$), foliage and trees will always be a difficulty, and that they will only be useful in open country and for survey of tidal areas, foreshores, and the like.

The same difficulty is likely to occur in surveys of towns, for which, at first sight, aerial photographic methods seem to be particularly applicable.

From all that has been said, I think it is evident that the aerial photograph has many limitations as a means of survey. I do not wish to contend that it has not got great possibilities also, but as there seems to be, particularly in uninstructed quarters, a somewhat exaggerated view of its economic value, I think it is desirable to emphasise the limitations.

Various figures have been put forward recently of the cost per square mile, and so on, of an aerial survey, and attempts have been made to show that it is cheaper than pre-existing methods.

Such estimates, as I know of, often make no reference to scale or to accuracy, without which they are valueless.

From an economic point of view there is really very little reliable data to go on. Some estimates have been worked out by the Air Survey Committee which seem to indicate that the cost of keeping an aeroplane in the air is still so high that aerial survey can only compete economically with the surveyor on foot in regions, which, for some reason or other, are exceptionally difficult to survey from the ground and are at the same time suitable for survey from the air.

It must be remembered, however, that no survey has yet been contemplated of an area sufficiently large to justify the construction of machines specially adapted for the purpose. The machines hitherto used for aerial photography have often been designed for quite different types of work and are probably needlessly expensive, both as to first cost and running expenses, when regarded from a purely survey point of view.

With further experience it will doubtless be possible to reduce the costs, as visualised in these estimates, in many ways, but this experience has yet to be obtained. So far as I am aware, the only surveys having any pretensions to real accuracy, carried out from the air, have been done under war conditions, or with war equipment.

This equipment is often quite unsuitable for work organised on an economic basis; nevertheless it is still practically the only equipment available.

Surveys from the air of several different regions are now being contemplated; but unless these are carried out by specially trained pilots and photographers, with equipment and cameras specifically designed for survey on a definite system, it is almost certain that the results will be unsatisfactory, if not complete failures.

No useful experience can be gained from work carried out by untrained men with unsuitable equipment. The results will be more likely than not to discredit a method which, properly organised and directed, has undoubtedly very great possibilities.

AT

THE ORDINARY GENERAL MEETING

Held on Monday, December 10th, 1923,

A DISCUSSION took place on a Paper entitled

AEROPLANE PHOTOGRAPHIC SURVEY,

By Major M. N. MacLeod, D.S.O., M.C., R.E.

Sir EDWIN SAVILL, O.B.E. (Vice-President) in the Chair.

Sir EDWIN SAVILL said that in the absence of the President through indisposition he had been asked to take the Chair that night. Before proceeding with the business, he felt the members would like him to refer to the death of their old friend and colleague Mr. Daniel Watney, who died a few days since, after a very short, and he was glad to say, painless illness. Mr. Watney had been one of the original members of The Institution, and he not only had given his time and work ungrudgingly, but he had served as a member of the Council for over fifty years. The loss of Mr. Watney to The Institution would be great, and his loss to every one of the members would be great, because he had not only been a friend to The Institution, but he had been a friend of every member of The Institution. He had never been too busy to give assistance and advice to anybody who asked for them. He asked the members, in respect to Mr. Watney's memory, to rise in their seats.

(The members rose in their places.)

Major MACLEOD then gave his address.

Mr. Frank Hunt, C.V.O. (Member of Council), said it was his privilege to move a vote of thanks to the author for the admirable Paper, of which the members had just heard a summary. He did not know quite what had prompted the authorities, who settled the order of business at the meetings, in having selected him to move the vote of thanks, but probably it was because he was a complete layman with regard to the subject of the Paper. The author, and some others who would later take part in the discussion, were all enthusiasts on the subject, and he supposed it had been thought that it would be as well to have somebody who knew nothing about it to act as a sandwich between the Paper itself and those who would follow on in the discussion. There were risks in that method of procedure. He might be simply wasting the time of the meeting in saying the few words which he had to say; but, on the other hand, it might probably ensure that he would not trouble the meeting for very long.

It had to be remarked that The Institution was always finding itself most fortunate in discovering men outside its borders (he believed Major MacLeod was not a member of The Institution) who were ready to give so much time to attend and enlighten the members on subjects which had a bearing on their professional work. Time and time again that had been found to be the case, and it was one of the privileges of the members of The Institution to feel that they could call upon those outside to help them in enlightening them on subjects which had, at any rate, a bearing on the more prosaic work falling within the sphere of a surveyor. On the other hand, might he assure Major MacLeod that, after all, that privilege was not altogether one-sided. It was an honour, he believed, to be invited by The Institution to attend and read a Paper which would have the benefit of a circulation amongst surveyors numbering between five and six thousand.

The subject under discussion, it was quite obvious from Major MacLeod's summary, as well as from a consideration of the Paper itself, was undoubtedly a difficult one, at any rate to a layman, from which standpoint, of course, he had

to look at it, but it was one that apparently was likely to loom much larger in the member's professional work than had hitherto been the case. It probably was not an accident that about a week or ten days ago a Paper on the application of a photographic survey particularly to railway work had been read before the Society of Engineers; and there had been a little outbreak, if he might say so, of articles in the papers within the last few weeks bearing more or less on the same subject. He could not help thinking that the application of aerial photography to survey work was another example of the advance of science in one direction helping all. Had it not been for the stress of war they would not have seen the advance in flying that had been made in those fatal five years, and as a necessary development of flying there had been a development, more or less, of aerial photography for survey purposes. As the author had said, there had been attempts made long before the war to use the camera for survey purposes, but the limitations of the means then at disposal had prevented anything in the nature of its full development. The development of the flying machine, however, had undoubtedly given the matter an impetus forward which otherwise would not have taken place. Probably it was another example of such an accursed thing as war having certain advantages in the sense of developing science, for which in normal times of peace the world would hesitate to pay the price. One probably found greater developments taking place in surgery in a war period than at any other time, and probably flying, and those things which had been made practicable by flying, had made greater progress consequent upon war conditions than would have been made possible in any other way.

He thought there could be only one comment made on the Paper itself, and that was that it was an admirable one. It made a subject, difficult in any event, understandable to most of the members who were only laymen. What, perhaps, had appealed to the members as much as it had appealed to him was the more than admirable way in which the author had presented the purport of his Paper that night. He had done it in a way in which he (the speaker)

ventured to suggest could serve as a model to all those who might be following him for years to come in the presenting of Papers to The Institution. It was an ideal which he had hoped for years would be adopted for the purpose; and he thought he might say, without the slightest flattery to the author, that it was the finest presentation of a Paper which he had heard in that hall.

That there would be limitations in aerial photography for survey purposes had amply been indicated by Major MacLeod in his Paper and in his opening. It had advantages undoubtedly, and he could imagine that if one had a sufficient number of control-points, and wanted to prepare a plan on a small scale, not for the purpose necessarily of calculating areas, the cheapest and simplest and most expeditious method would be by photographic apparatus; but when one passed from that more or less small scale of a general purpose map into the region of surveys which must, because of the valuable interests concerned, be meticulously accurate, then he feared there was nothing yet in the field which would beat the ordinary land surveyor.

He had probably said enough to commend to the meeting, if commendation were necessary, his motion that a hearty vote of thanks be accorded to Major MacLeod for the admirable Paper he had brought forward, and for the more than admirable manner in which he had presented it that night.

Colonel Sir Charles Close, K.B.E., F.R.S. (Hon. Member), said it was an honour to be asked to second the vote of thanks to Major MacLeod for the excellent Paper which he had given that night. Major MacLeod had steered clear of the difficulty of going into details too much, and had presented in broad outline the merits and disadvantages and the difficulties attendant upon such a relatively novel method of survey. He called it relatively novel, because about forty years ago he had himself been connected with air-photo surveys of a sort. He had served under Major Elsdale, who had been a pioneer in balloon photography in this country. In 1883, at Halifax, Nova Scotia, Major Elsdale had taken

some admirable photographs from balloons. He had one in his hand which was forty years old, and he would pass it up to the Chairman for his inspection. In those days there had been no such thing as an aeroplane, nor had it been thought of; and all that could be done then was either to get into a balloon and float over the desired object, which, of course, was impossible in the case of certain types of war, or else to construct, as had been done, small balloons just large enough to hold a camera with a clockwork apparatus which exposed the photographs. That had been looked upon as very promising in connection with anything in the nature of a siege, where one could get all round the object. If one was besieging a town it did not matter in which direction the wind was blowing; one could make quite sure of flying the balloon over the town and getting photographs. One, of course, could not be quite sure exactly where the balloon would go. In the sort of warfare which they had only too much reason to remember, through which the world had just passed, that would have been hardly practicable; but there was a field for it, and there was certainly a field for balloon photography in the broader sense and not only applied to war. A great deal might have been done but for the total impossibility of getting the money with which to do it. Major Elsdale had over and over again appealed through official channels for money for experiments. It had always been refused, and anything which had been carried out had been done out of his own pocket. Major Elsdale was dead now, but he thought his memory should be kept in mind because of the fact that he had been, so far as England was concerned, a pioneer in the method.

A few years afterwards he (the speaker) had happened to be in India, and had been fortunate enough to persuade the authorities to send out some of those balloons which had been used in England. They were small balloons. It was now about thirty-two years ago. His idea had been to take photographs of the ancient cities of India, particularly the ruined cities near Agra and Delhi. All the balloons and the apparatus had been sent out, but his Chief thought that there would be more expense entailed than he was prepared to sanction, and

so he made him take photographs of Calcutta instead. As a matter of fact the weather in Calcutta was by no means so suitable as it was inland, and the result had been that he had not been able to do very much. He had taken a few photographs of Calcutta. He held one in his hand which had been taken from a balloon thirty-two years ago.

Major Elsdale had been moved to other work, and then died. No one appeared to have taken much interest in the subject after that, and he thought he might say that it had almost completely lapsed in England until the Great War. As was perfectly evident to everyone present, it was the war, as Mr. Hunt had said, which had really brought the subject to the front, and it was in war that aeroplane photography found its most important field. In war it was indispensable, and any progress which has been made was almost entirely due to the war. Nowadays people naturally said, "Why "do not you apply it to civilian services and to services in "peace time?" Some enthusiasts, even in the days of balloons, had gone so far as to say, "The matter now of "exploring darkest Africa" (as it had been called in those days) "is quite a trivial thing. You have only to get into "a balloon, you have a camera, you cross Africa, and there "you are!" There were not so many enthusiasts of that type at the present day, but there were still a good many who claimed more for the possibilities of photo surveying than at present ought to be claimed. He had had the opportunity, a year or two ago, of suggesting to the Air authorities that they should take up the mapping of a certain dependency of this country, and that they should do it entirely by air photography, the necessary help on the ground being provided; but the Air authorities had refused; the difficulties and the expense were too great. It was not sufficient to send out a couple of aeroplanes and one or two pilots and observers to a place, and to say to them, "Go and make a photographic survey." A lot of other things had to be thought of. One had to think, first of all, whether the country was suitable for surveying. As the author had said, if the country was very hilly, a decent plan of it could not be obtained without a great deal of

difficulty and trouble. Then one had to think about aerodromes, repairing sheds, mechanics, and so on, and by the time all such things were arranged for, it would be found that the survey would cost very much more by those methods than it would cost by sticking to orthodox methods. There were, however, fields in which aeroplane survey undoubtedly ought to be tried. He was thinking particularly of some of the larger native towns in Africa. In the survey department over there they were sometimes called upon to make a survey of a town like Kano or Sokoto for the purpose, perhaps, of the hut tax or some similar purpose. When one was making a survey like that, one clearly did not want the great degree of refinement which was necessary if one was making a survey of the City of London, and he did believe that in cases of that sort an admirable and sufficiently accurate survey could be made by air-photo surveying, and he did not see why it should not be done.

Another great field of usefulness for the method, as had been frequently pointed out, was that of the survey of estuaries and deltas. That was partly because, perhaps, the surveyor himself was not very happy when he was surveying an estuary. He was sure that any one of those who had tried to survey some of the swamps found in the mouth of the Niger would welcome any other process than the one which was customarily adopted. He understood that the Survey of India were about to try an air-photo survey of the delta of the Irrawaddy. That was not a bad field, but it was not known what success was likely to attend their efforts. Other happy fields, if one did not fall into it, would be the delta of the Niger and the delta of the Ganges—extremely unpleasant places to fall into, but still it might be worth trying. There were, undoubtedly, fields of immediate usefulness for the method, and he thought they must all keep their eyes open because the usefulness might expand in a great many directions, and they would be very unwise to say that they knew exactly what its limitations were. The author had clearly pointed out the difficulties. He thought the members ought to go away from the

meeting with the notion that although the method had great possibilities, at present it could not be said that the fundamental principles of surveying on land were likely to be interfered with for a very long time, in the normal course of events.

He noticed that the author quite wisely did not deal with details at all. There were, however, just two points of detail on which he would like to touch. The author mentioned Major F. V. Thompson, who was an officer whom he (the speaker) had known very well. Major Thompson had served under him and was the inventor of a stereo-plotter—which did not actually plot detail or contours; one read off the positions on drums. That had certainly been a great advance on what had been done previously, and it had since been improved upon in Austria. He would also like to mention that there were many people working on the subject at the present time—amongst others, Mr. J. W. Gordon, who had devised a most ingenious method of finding the horizon line in a photograph. Mr. Gordon stated that that was a method which had actually been invented by Brook Taylor more than two hundred years ago, had been forgotten, and had then been re-devised independently by Mr. Gordon himself. It was only a method of detail, but it was one which would have its applications. All such varied details and methods were likely to build up a subject which perhaps, in the future, their sons and grandsons might find to have altogether exceeded any possibility of usefulness that might be thought of at the present moment.

He seconded the resolution of thanks proposed by Mr. Hunt.

Captain W. T. Creswell (Associate), in supporting the vote of thanks, said the author had stated that he had introduced the subject at the request of the Council. That being so, he would like to say that it showed that the Council was much alive to its possibilities in the future. The author had mainly dwelt on limitations in surveying from the aeroplane. Trigonometrical surveying was still necessary on the ground, and it was clear that between trigonometrical

stations the filling in of detail now done by means of the plane table could well be carried out in the air. It might be necessary in future for The Institution to include the subject as one for the examination, and in course of time the student would no longer have to think about tables and logarithms. As far as he was concerned, he thanked providence that he would not have to go in for the examination, because he supposed part of the practical test would necessitate a flight in the air.

He had particular pleasure in supporting the vote of thanks to Major MacLeod because, if he might mention a personal matter, he had had the advantage of being appointed superintending officer of aerodrome construction in the Salisbury Plain Command in September, 1914, and had in his possession a very wonderful photograph of part of the first mosaic that had been produced at the Central Flying School, taking in the neighbourhood between Uphaven and Netheravon.

When those experiments were being carried out he could not have foreseen that some eight years later he would have the privilege of listening to an address such as had been given to The Institution that evening.

Mr. G. Tyrrell McCaw (Associate) said he did not think he could add very much to what the author had told the members that night, but there were perhaps a few points which might be mentioned in connection with the Paper. For example, inasmuch as in ordinary survey various methods were suitable for various conditions, so probably—he thought almost certainly—in aerial survey it would be found that methods which were suitable for one class of country, or for one particular condition, would not be suitable for others.

The author had already made some reference to that. He had divided up the subject into graphical, photographic, and stereophotogrammetric methods; but personally he thought one could enlarge a little and say that each of these methods would have its own field. The author had already said that the graphical method seemed to be indicated for

the filling in of detail on pre-existing maps, and he himself thought it would be largely used for that purpose; but it might also be used for other purposes—for example, in connection with small surveys where it was impossible to utilise expensive apparatus or when the full *personnel* was not available for the occasion.

Again, the method must depend on the accuracy which one desired. Thus in ground survey one never expected for topographic purposes the same accuracy as for cadastral purposes. So in aerial survey he thought one must adapt the method to the purpose for which it was required. For instance, experience so far seemed to indicate that the method of stereophotogrammetry would be applicable for general purposes where great accuracy was not required, such as the execution of topography in the Crown Colonies, where rapidity was necessary and where the scale of the map was not very large. If the object was cadastral survey, photographic rectification, such as the author had mentioned that night, would probably be required. That was being at present applied to the survey of the devastated regions of France.

He would like to refer to a method which had not been directly touched upon that evening and which seemed to offer considerable promise of success. It was a method of what he might call "coincident projection." What he meant was, that instead of rectifying the photos singly they were rectified in pairs, and if the screen was made movable, one could obtain a focus for varying levels, and in that way a contour could be obtained on the screen by appropriate motions of micrometer screws. At present the designs were largely in the experimental stage: work on the subject was being done in Canada, in Germany, and also in this country, and he thought it was very possible that the method would be utilisable in the immediate future. Light for many purposes provided one of the most exact methods of measurement which one could possibly have: take the interferometer as an example. At the present moment the method was being applied to vertical photographs, and that was the simplest way in which one could face the problem;

but in Canada an attempt was being made to utilise the oblique photograph. As the author had explained, if accurate measures of altitude were demanded, one would have to use the oblique photograph, and he thought it possible to rectify simultaneously two obliques, and to obtain directly precise measures of each contour level; when, however, oblique photos were to be employed, the design of an instrument involved additional complication. Though there were difficulties, which would suggest themselves to anyone, in the matter of plotting from two projected overlapping pictures, nevertheless he had little doubt that those difficulties would be overcome.

With regard to the development of aerial survey of which Sir Charles Close had spoken, might he say that all that Sir Charles had stated that night about balloon photography must be of very great interest to the members? Sir Charles had been one of the very few workers in this country who had dealt with the subject in the early stages. Later on, when surveys of colonies had been proposed, although he had been unable to send balloons, he had sent surveyors equipped with cameras and plotting apparatus in order to give the photographic method every chance, and those experimental surveys had been carried on under his direction. But, as Sir Charles had said, he thought that members at the present moment should keep an open mind for the developments of the future. People were very much inclined to pay undue attention to things as they appeared at the moment.

The results of the experiments which had been recently made on the light aeroplane had opened a great vista for the future of aerial survey. Only a day or two ago an aviator had gone across to Brussels in one of those tiny de Haviland machines. If expeditions equipped with such machines could be sent out—(the French were proposing to do it in the Sahara, the machine being furnished with folding planes so that it could be put in a portmanteau, as it were)—he thought there was a possibility that the cost of aeroplane photography, which at present looked formidable, might come well within those limits which would render it economical. Doubtless these light machines would greatly enlarge the

field within which the various methods of aerial survey could be profitably employed.

Mr. J. W. Gordon, K.C. (Visitor), thanked The Institution for the opportunity given him of taking part in the discussion. In the first place he desired particularly to endorse what had already been said about the characteristic and admirable features of the Paper. If he might be allowed to do so, he would like to congratulate the author very much indeed upon the singular perspicuity with which he had put his points before the meeting, and upon the extraordinary way in which he had covered an elaborate and difficult subject in a short space. Personally he had reason to be particularly appreciative of that, because it was the sort of thing that he had often tried to do himself, but he had never been able to congratulate himself on having succeeded to the extent to which the members had seen success carried that evening.

In addition to that acknowledgment, he would like to make one or two observations upon points which arose out of the Paper. The first observation that he would like to make was that he thought it was perhaps important that the members of The Institution should realise—and realise while they were discussing the subject—that the author's Paper that evening had been directed to a particular class of photographic surveying; that was to say, aerial photographic surveying. Many—in fact most—of the difficulties of which the author spoke were difficulties that arose from the circumstance that the camera was carried on an unstable base, a base so unstable that it was not possible to tell when one was taking a photograph under what conditions one was taking it. From the photograph itself had to be learned the altitude, the angle, and other necessary constants, which enabled the photograph to be dealt with on the plotting or drawing-board. That was a very important part of the surveying work of the future, but it was not the whole of it, and it was worth while to remember, while discussing the question of aerial photography, that there was terrestrial photography as well, and that that was immune from

some of the difficulties of which the author had spoken, a fact which gave to it a distinct value. He did not propose to insist on that, nor to elaborate it that evening, because that was not the subject under discussion. He only suggested that it should be borne in mind, while discussing aerial photography, that aerial photography was not the only photography which would have to be discussed when the whole subject of surveying by means of photographs came to be dealt with.

There was only one other point which he wanted to suggest before he sat down, and he suggested it with very great respect. He thought there was one point in the Paper to which an addition might perhaps quite fairly be made. He would just indicate, if he might, what it was, for the author's consideration and also for the member's consideration. On page 32 of the Paper the author described three methods of dealing with the photograph. It was in the passage which said: "I will assume that an accurate survey "is contemplated, and that an adequate control can be pro- "vided, and pass to a brief outline of the various methods "which have been used or suggested for making use of it. "These may be divided into three classes: (1) Graphic "methods; (2) Rectification methods; (3) Stereophoto- "grammetry." Personally he wanted to suggest for the author's consideration whether it would not be quite proper to add to that a fourth process which had been a matter of public knowledge since the beginning of the present year, and which he might speak of as the parallacter method of dealing with the photograph for the purposes under discussion. When first he had read the Paper he had thought that perhaps the parallacter method might be included in the first class of graphic methods, because the simplest and most obvious way of comparing photographs by means of parallacts was to make a parallacter diagram and use that for the purpose of the comparison; and in a sense that was a graphic method. But he had read on, and when the author spoke of the graphic method he had found that the author excluded that method because, he said, the graphic methods were methods which made use of some

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form of grid, and plotted point by point by the help of a grid.

The parallacter diagram was not a grid, for the following reason: It might consist either of meridians or parallels, according as one was dealing with parallacts which were measured across the photo or from top to bottom of the photo; but it never consisted of both. It consisted either of parallels if the parallacts were vertical parallacts measured as one was travelling towards the photograph, or of meridians if one was dealing with a parallact such as the author had described in connection with the German method of producing photographs from an aeroplane by photographing the country which was parallel to the course as flown. But, as he had said, it did not consist of both, and the importance of that was that it led to the result that one used one's parallacter diagram for contouring, and contouring, in that system, was the first operation—the operation with which one commenced in dealing with the photograph. One did not attempt to plot until one had ascertained how many were the different levels in connection with which one had to plot. It was for that purpose that the parallacter diagram was used, and when it had been used it was found not to be necessary to use a grid at all, and it was not necessary to proceed in the manner described by the author of point by point reproduction.

One might use an adaptation of the pantagraph, and taking the photograph, as it were, simply a scale map, and altering it to scale with that modified pantagraph, one produced, as in the ordinary use of the pantagraph, the map on one scale by tracing the map on the other; one traced in the photograph, and one was not bothered with a grid. The simplification which that produced was as follows: If one was going to work by means of grids, one had to have as many grids as there were contour levels on which one was going to plot, because a grid which was constructed for one level would not plot from photographs which were upon another level, and the consequence was that plotting by means of grids was an extremely laborious and almost impracticably troublesome method. If one, however, could

use a pantagraph instead of a grid for the purpose, the problem was a wholly different one. It was for that reason that he thought it might be considered at any rate as an addition to the Paper, which ought not to be left altogether out of account, that the parallacter method of dealing with photographs was a method for dealing with them under exactly the same conditions and producing exactly the same results, but producing them, as he ventured to think, by very much simpler processes, by very much more expeditious processes, and by processes which possessed, therefore, in use very considerable advantages over any of the processes referred to in the Paper. At any rate it was a different process, and if they were speaking in a comprehensive way of the processes which were available, it was one which, he ventured to think, ought not to be left wholly out of account.

Colonel H. St. J. L. Winterbotham, C.M.G., D.S.O. (Visitor), remarked that in his happy little speech complimenting the author on his Paper Mr. Hunt had mentioned the fact that some people believed that the surveyor might be entirely replaced by the camera. There were those present who had made many a map from air photographs, but none of them would ever imagine that the surveyor could be replaced by the camera; they looked upon air photography as an extra club in their bag. The camera was, as it were, a mashie niblick; it was something to help them out of really bad country, and it was uncommonly useful when it was used in that way. So far he did not think anybody had mentioned the name of Dr. Deville, the Surveyor-General of Dominion Crown lands in Canada. He thought it a pity, because Dr. Deville was their chief pioneer in photographic surveying. For many years before the war he employed parties on surveying from photographs taken from ground stations. He used the camera in order to procure with it both angular measurement and topography. Dr. Deville made no attempt to use the camera to replace the theodolite control; he used it to map the detail by intersection.

If both the detail and the contours were to be mapped

from photographs, one was faced at the outset with the fact that from a two-dimensional picture like a photograph one could not directly secure a three-dimensional survey. One must work, therefore, from pairs of photos. The theodolite could never be entirely dispensed with, for an aeroplane flying at the rate of 100 feet per second could not fix its own latitude and longitude, and supply an azimuth, because that was also essential. Those factors were as necessary to complete independence as was the height of flight, and one could never think, therefore, of doing away with ground control.

Unfortunately in peace time soldiers had had to learn that they could not always employ the methods which had become normal in war. During a war the taxpayer was glad enough to sanction any expenditure necessary to military operations, but in peace the taxpayer was not likely to allow methods to be used which were intrinsically more expensive, even if quicker, than others equally possible.

What, then, did the camera do? What place in surveying did it promise to fulfil? It did not help with the fixing of the control. It could not provide names, nor was it satisfactory without subsequent correction. The expenses of a topographical survey lay largely in the transport. The camera was used to map the detail, and on occasion it might be used to map the contours. What was the cost of these items of the survey in the ordinary course of events? Supposing they said 15*s.* per square mile on the scale of 1 inch to a mile? There would be many objections to that remark, because it was so inapplicable to many cases, but it was a good average figure. They had to make photographic survey pay against such figures as that, and they could not afford therefore to go in for much personal work. The workman had to be replaced by the machine, and that was where, he thought, the stereophotogrammetric type of survey, which was being exploited at present, gave hope in the future. One of those machines might be said to cost a capital sum, the interest on which would pay for two draughtsmen (in England); but it would do a great deal more work than two draughtsmen, and it would do it a good deal quicker. For

a parallel one must go to history. Photographic surveying from the ground had been in use for fifty years. It had been used in the siege of Paris, for example. It had never attained general success, and it had been superseded, as far as Europe was concerned, by the stereoautograph, a machine undoubtedly the outcome of the work of the British officer whom Sir Charles Close had mentioned. In fact nowadays on the Continent no one would undertake a photogrammetric survey except as a preliminary to using the stereoautograph. The same lesson would probably be learnt in regard to the air.

There was a very interesting model which had just been designed in Italy, and called the "Nistri." The principles on which it was built had been already described by Mr. McCaw. It was a machine in which two images were projected simultaneously upon screens which moved further from and nearer to the source of light. By that method one contoured first, as Mr. Gordon had just stated he did, and used subsequently an automatic plotting device to fill in the detail.

He would like to say one word about the question of the graphical methods. He thought the author had used the word "usually" when he had talked about the use of a grid. It was the usual method of plotting detail, but the use of a grid did not imply different graphs for different altitudes. The main systems of plotting contours were systems which were founded on the use of the photo plumb-point (or the vanishing point for all vertical lines), and corrections for altitudes were radial from that point, so that different grids were not necessary. One made one's grid at one's plane of reference, and one fixed one's position by the use of two photographs and by the intersection of lines radial from the two points.

Mr. J. S. Kirkwood (Professional Associate) said he was glad to have the opportunity of adding his quota of thanks to the author for his excellent address. Major MacLeod had ably set out the difficulties met with in an aerial survey. Personally he had gained his experience during the war,

and it had been in a country that was very hilly and practically unmapped. He thought it must be admitted that aerial photography was very useful in mapping long roads and their surroundings in neighbourhoods which were being developed; for finding the difference between deep and shallow waters; and the different classes of land could, with a little practice, be distinguished by the depth of colour in a photograph taken from above.

There were one or two points in the Paper on which he would like to remark. The first point appeared on page 26, in reference to the plate being parallel to the ground when a photograph was taken. It was impossible to do this over hilly country, and, as the author had said, the distortion was so great when over a mountain range that really the photographs, from the point of view of accuracy, were of very little use, although they would give a good idea of the physical features of the land; and in unexplored country he thought they would prove very useful.

There was a paragraph which appeared in a daily paper of July, 1922, saying that several new lakes and rivers had been discovered in the Rocky Mountains by explorers who had used aeroplanes. One party had done a survey in seven hours which would have taken six weeks to two months to do on foot, and that proved, he thought, that aerial survey could be put to very good use. With regard to being parallel to the ground, it seemed to him that if one was parallel over a mountain, for instance, where the undulation was fairly regular, it was obvious that the distance over the top of the mountain was greater than the distance straight through from the foot on one side to the foot on the other, and when one came to plot in the land on a map it would be found to be more than there was room for. It therefore seemed desirable to get some method of taking a vertical photograph at right angles to the line of gravitation, and then to find out the levels on the undulation at various points, and when the contours were drawn into the map the apparent distortion would be accounted for.

With the land which had been surveyed in the East they

had tried various methods of finding levels, and there was one method which he would like to put forward as an original idea of his own, as he had experimented with it on various types of photographs and obtained fairly good results; the result, however, depended largely on the sharpness of the photograph, and on the number of times it was possible to get a clear enlargement of it. It was acknowledged that if the height of a machine were doubled, the scale of the resulting photograph would also be doubled; for example, the distance between two points appearing on a photograph taken at 8,000 feet would be half the distance of the same points apart on another photograph of the same land taken from 4,000 feet up. On the other hand, if the land photographed were a 1,000 feet above the datum line and the ultimeter registered 4,000 feet, the distance vertically below would be 3,000 feet, and the distance between the two points of interest on the photographs taken when the ultimeter registered 8,000 feet would be less than half, as the height was more than double, being in the first case 3,000 feet, and in the second case 7,000 feet above datum. The method therefore employed was briefly as follows: A number of parallel lines equally distant from each other, representing hundreds of feet, were drawn on a sheet of paper and numbered to represent the various altitudes, the positions showing the distance between points were plotted thereon, and converging lines drawn in which showed the graduation in reduction in size. The line representing the distance at the lower height was bisected, and a perpendicular line erected cutting the line of reduction; this showed the height at which the second photograph would have been double the scale of the first, and the difference between the two heights was equal to the distance of the ground vertically below the machine at the first height.

With regard to the method put forward on page 28, of using elastic to adjust distortion, he agreed that was quite good provided the land was always level, but if part of it was flat and part was undulating, he did not know exactly how the elastic would be stretched or contracted to fit the

various types of the land. Perhaps the author would explain that.

He agreed with the author's remarks about re-photographing the area, when parts were missed, because many times he himself had missed a small area and had had to go and re-photograph the whole area to save the time of "pin "pointing" and scaling the odd photographs.

Squadon-Leader Laws, Research Department of the Air Ministry (Visitor), said that it had been a great pleasure to him to have attended that evening and to have heard Major MacLeod's address. He had been rather struck by Major MacLeod's pessimism. He should have liked Major MacLeod to have struck a note between his own pessimism, the optimism of recent articles appearing in the Press, and of those people who considered each photograph was a map.

Major MacLeod had made a strong point of the high cost of air survey. Recent events had put a different aspect to that matter. The aircraft which had been considered in all past estimates had cost from £5,000 to £7,000 to construct, and above £20 an hour to fly. During the past few months wonderful performances by aircraft fitted with motor cycle engines had been seen. It had already been mentioned that a machine of this type had been flown from London to Brussels. He might mention that the consumption of petrol during the flight was $3\frac{1}{2}$ gallons. It was possible then that a machine of that description with a slightly increased horse-power could be utilised to transport the camera over the desired position. One man (the pilot) could look after his own engine quite easily and keep it running in any wild unsurveyed country, as one often did one's own motor cycle engine; whereas in the past an aeroplane had been considered as a machine which required riggers, engineers, skilled pilots and observers to look after it, at great expense. It also required quite a large construction to house it during rough weather. He had seen photographs of the small machine tucked under the pilot's arm being wheeled into a shed.

With regard to cameras, the author had mentioned that no one method could be considered suitable for every type of country; but he himself would go further than that, and say that he did not think any one type of camera would be suitable. He thought in the future cameras would have to be constructed to deal with each different type of country to be photographed.

In conclusion he would like to endorse the concluding paragraphs of the Paper in regard to skilled *personnel*. The general idea among ex-flying men was that they had done a great deal of survey. During the war, of course, there had been an enormous amount of aerial photography done. When he stated that during the last six months of the war in 1918 it had taken 120 tons of hypo to fix the plates and prints used, it would be understood that quite a lot of photography had been going on. Many of the people who had been producing these photographs had come home and had said, "We have done miles of survey. We have "surveyed the whole of France every day for months." When such people were disposed of, and skilled *personnel* were got on to the job, using the most up-to-date apparatus, then he thought something would be done; but so long as people were picking up any odd photographers and pilots, who had not been specially trained, and were buying obsolete cameras from the Disposals Board, aerial survey would only be discredited by those who might otherwise be interested.

The CHAIRMAN said it was the duty of the President on such occasions as the present, when he knew anything of the subject, to add a few words to the discussion. As he was not the President, he proposed to shirk that duty that night. He would like to add his thanks to those of Mr. Hunt for the way in which the author had delivered his lecture. He had to confess that there had been occasions when, unlike the majority of the members, he had been exceedingly bored by the reading of Papers in that hall. That night he had thoroughly enjoyed himself, and he hoped that the author's example would be followed by those who were to prepare Papers in the future. If the members

could have more Papers delivered in such a manner, it would mean, for a good many of them who had to be present on nearly every occasion, a "brighter London."

The vote of thanks was then put, and carried with acclamation.

Major Macleod acknowledged the vote of thanks, and has since sent the following written reply:—

There are one or two points brought out in the discussion to which I may give a reply. The first is Mr. Gordon's suggestion that my sub-division of the methods of dealing with the photos should be divided into four instead of three categories, the fourth being "parallacter" methods.

I admit there is something to be said for this, and that the parallacter method which Mr. Gordon himself has divised is characteristic and distinct from others, but in making broad generalisations it is always difficult to make them so so as to include every variety without unduly increasing the number of categories or going into details.

I based my classification on the idea that graphic methods should comprise all methods in which the photo is copied directly by hand with or without the aid of special apparatus, such as the modified pantagraph to which Mr. Gordon refers. Rectification methods include all those in which the photo is projected optically by a lantern or some such device on to a screen on which the image may be recorded photographically or drawn by hand; and sterophotogrammetry includes all methods in which the stereoscopic principle of combining two photos is made use of. If this standpoint is understood, I think it is clear that Mr. Gordon's parallacter methods can correctly be placed in the first category.

I think Mr. Kirkwood's suggestion for determining height above ground is distinctly interesting, and may prove of value under certain conditions. At present the necessity of a double flight over each area, required by it, would add greatly to the cost of a survey; but if the light machines referred to by Mr. McCaw and Major Laws develop further, there is no doubt that this item will not loom so large in the

aerial surveyor's budget as it has done hitherto. I would like to draw your attention to their remarks, because I agree with their opinion that the economic future of aerial photographic survey largely depends on the production of a machine which is easy to fly, and cheap to build, transport, and maintain in the air.

It must be able to climb to fair heights, say 10,000 or 12,000 feet, but it need not be fast—in fact the slower it flies the better.

In conclusion, I should like to express my thanks for the manner in which you have received my Paper. I may say that I felt very honoured when your Council invited me to address you, and I feel still more honoured by the encouraging remarks which Mr. Hunt and the Chairman have been kind enough to make about what I have said.

The following written communication has been received from Mr. F. W. Kuphal (Professional Associate) :—

I much regret I am unable to be present at the reading of Major MacLeod's excellent Paper on "Aeroplane Photo-"graphic Survey."

His statement that aero-photographs can be fitted together for a rough-and-ready map and utilised subsequently for a more accurate survey is of special interest to me, as I have a map produced in the late war which well illustrates this point. The map displays in black and white the pre-war condition of an area of occupied territory with the addition of numerous enemy defence works and railways. At a later date the survey was rectified and the position of many of the new roads and railways found to be incorrect by several hundreds of yards. The necessary alterations were then superimposed upon the plan in red ink.

The method discribed as "stereophotogrammetry" is remarkably ingenious, and should have a great future before it.

Paper 479.

ECONOMICS OF ESTATE MANAGEMENT.

By D. T. Thring (Fellow).

To be read at the Ordinary General Meeting of the Surveyors' Institution on Monday, 7th January, 1924.

The Institution has done me the honour of asking me to read this Paper, the object of which is the consideration of the present agricultural position from the point of view of landowners, and also the proffering, if possible, of some suggestions as to the policy to be adopted by owners, which must, however, of necessity vary according to their individual positions.

The dictionary states that "political economy" is the science of the useful application of wealth and material resources; and that "domestic economy" is the science of domestic management, especially as it concerns expenses and disbursements. It is, however, silent as to "estate economics." Anyway, one gathers that wealth and material resources are essential, and that economics is the science of expending one or the other in a useful and frugal manner.

The definition at once starts one thinking whether landowners possess wealth and material resources at the present time, and also what is the meaning of the term "useful expenditure." To deal with the latter first, the term "useful" is not, I suppose, to be confined strictly to the financial point of view, *i.e.*, the amount of interest yielded by the expenditure. Landowners in the past certainly have not acted from this financial point of view, but have had before them the far higher ideal of the proper performance of their duties as landowners, which comprise intelligent leadership and the general betterment of the life, education

and conditions of those living on their estates. Any survey of the history of land for the past 100 years will at once prove that landowners have indeed served a very "useful" purpose, and that without their help British agriculture would not have attained the premier position that it holds in the world to-day. It will be a sad day for British farming when the wealthy classes cease to take any active interest in land.

It is certainly a fact that as regards "frugal" expenditure, estate economics has been something of a failure. The money spent on estate improvements and on bringing the live-stock of England up to its present standard has hardly ever brought in a good return to the landowner; in fact, it is a question whether there has ever been any appreciable return in the commercial sense.

The second question is whether the present landowners are possessed of "wealth and material resources," and whether there are now sufficient inducements for them to expend their wealth on the land.

About the year 1880, and again in the eighteen-nineties, the owners did possess both, and expended them usefully by keeping the land of England in cultivation. They helped materially to tide the farmers over those times of depression. Times have now changed, and the old stamp of owner, who took a pride in the possession of the family estates and in the responsibility thereby incurred, has nearly died out; and of those owners who are left, few have "wealth and "material resources" at their command. Death duties, high income tax, super-tax on stationary incomes derived from a non-fluid capital, have been the chief causes of this disappearance. The loss of the prestige, amenities and position that used to be synonymous with the ownership of land, and the fact that a landowner is hampered by innumerable laws in dealing with his own land, have materially hastened the change.

It would be very interesting, if it were possible, to compare the number of landowners owning, say, up to 50 acres, from 50 to 300 acres, and above 300 acres, in, say, 1908 with those for 1923. The Ministry of Agriculture and the

Statistical Department of the Inland Revenue were unable to give any information as to the number of owners of agricultural land in this country. One would have thought that the information furnished in the defunct Form IV.'s might at least have given these figures.

The Ministry of Agriculture, with their usual courtesy, provided what information they could, which dealt with the number of agricultural holdings owned, or mainly owned, by occupiers in June, 1908, and again in June, 1922 :—

—	1 to 50 Acres.	50 to 300 Acres.	Above 300 Acres.
1908 ...	40,218	12,348	2,303
1922 ...	38,479	21,550	2,651

From these figures it appears that the number of occupying owners of small holdings has slightly decreased, that the number of owners of 50 to 300 acres (*i.e.*, ordinary farms) has increased 70 per cent., and that of the larger farms has increased 14 per cent. But the figures do not materially help one to find out the number or position of the landowners who have taken the place of the old stamp of owner. Sir Howard Frank very kindly placed at my disposal figures as to England and Wales, prepared from the records of his firm, covering the years 1918 to 1922, which show that an original number of 225 owners was converted, after the sales, into 4,224. These remarkable and valuable figures at once enforce the statement that times have changed, and that when one talks about a landowner he is certainly not now the person of influence, and possibly affluence, that he may have been in the past; hence it is advisable to try and form some idea of the number of landowners who are possessed of "wealth and material re-"sources," and who are willing and able to spend them in a "useful and frugal manner."

It is common knowledge that many tenants have bought their farms and that many men of wealth have also bought

land, not often in the form of whole estates, but enough to secure the privacy of their own houses, and that a certain amount of land has been bought solely for the purpose of investment.

The present owners, therefore, may be divided roughly into certain categories :—

(1) The old landowners, who have but scanty resources ;

(2) The old landowners and new wealthy owners, who may be possessed of resources ;

(3) Men of wealth owning small estates ;

(4) Business men and corporations ;

(5) Occupying owners.

The men who would be most likely to spend any money freely are certainly the new wealthy owners. The old landowners with resources and the business men will probably both want to be assured that any proposed new expenditure will give a fair return. The old landowners (with but scanty resources) and the majority of occupying owners have but little, if any, capital at their disposal, even if the wish to spend were present.

Before coming to the question of how money, whether derived from capital or borrowed from Land Improvement Company, can be usefully spent now, as it was in the eighties and nineties, on the improvement and retention of land already under cultivation, it is advisable to consider whether the same inducements hold good now as then.

The return prepared for the Agricultural Economics Commission by the Land Agents' Society from actual figures shows that the net return from the rents was only $3\frac{2}{3}$ per cent. on the cost of equipment (about £20 per acre) ; or, in other words, that no return whatever was yielded by the land. This is an important fact and well worth consideration, one thing at least being clear, that English land, the one undeniable asset of the nation, is the cheapest in the world, and that this is the result of English policy as carried out at the expressed wish of the people.

Figures obtained before the war from the records of a large estate show that, for a period of twenty years, the owner secured only one-half per cent. on the value of his property, subscriptions and expenditure on churches and schools being excluded.

Members of The Institution will know of countless cases where the reasonable reinstatement value of the house and buildings for fire insurance purposes far exceeds the price given for the complete farm. It may be urged by some, perhaps justly, that the money has already been lost, and, anyway, the facts stated show clearly that fresh capital must continually be spent on land in order to maintain the rents. This is recognised by the laws relating both to income tax and local rates, and must be an ever-present consideration with the landowner.

The second question is, How long is the present depression going to last? Can anyone forcast the answer? General lack of purchasing power all other the world, bad trade, the unsettled condition of Europe, the shifting of financial centres, lack of stability in currency, over-production, cheap freights, higher standard of living and free trade, are all possible causes of the present low prices of agricultural produce. This list is nothing like complete, but it is long enough to show the impossibility of defining the duration of the present agricultural depression.

The effect of any agricultural policy cannot be overlooked. Protection, colonial preference and the safeguarding of the agricultural industry would undoubtedly affect prices, and hence would tend to shorten the period of depression; whereas measures for the transference of part of the burden of the rates on to the Imperial Exchequer, for the reduction of the amount of rates payable on agricultural land to actually one-quarter instead of the present supposed quarter (which amounts, in practice, to one-third), and for restrictions in certain circumstances on the importation of special food products, such as potatoes, will help, but not very materially, to shorten this period.

On this question it would probably be safer for the farmer to rely on his own abilities, and to adjust his system

of business to one that will show the safest margin of profit, which does not at all mean the greatest production. I venture to suggest that the landowner would not, considering past history of agricultural legislation, be justified in thinking that a change of agricultural policy would, at once or in the near future, do away with the present depression. Hence it appears that he has no means of ascertaining whether the period of depression will last long enough to justify expenditure designed to meet the needs of a different style of farming.

Can it be said now, as it was in the past, that English land is the best of all securities? A landlord must remember that public bodies have powers over the land, conferred on them by Acts of Parliament, and that almost every year fresh inroads on those belonging to landowners are being made or suggested. He must also remember that there is a not inconsiderable number of people who advocate a single tax levied on land, with a view to its ultimate nationalisation; and that there is a tendency to give the tenant nearly as great an interest in his holding as that of the owner. Nor is it likely that a landowner will forget the campaign which resulted in the land taxes in the Finance Act, 1910.

These considerations all point to the conclusion that the inducements to spend fresh capital on land are not the same as in the eighties, and that the security on such investment is doubtful.

The policies of the different categories of owners when they are faced with the necessity of considerably reducing their rents, and the possibility of the need for this reduction arising, are the next points to be considered.

The depression has undoubtedly affected arable far more than grass land, and it is to arable land that attention must now be given. It is quite certain that the importance of a reduction in rent to a tenant-farmer of arable land now is nothing like it was in the eighties, when rent was roughly one-third of the tenant's outgoings, while now it is anything between one-seventh and one-twentieth; in fact, rent has become a minor item in the tenant's expenditure. A reduc-

tion of 50 per cent. or 70 per cent. of the rent will not now very materially help a farmer, as it will not prevent his farming at a loss if prices continue low and the methods are not changed. It rests now with the tenant-farmers to consider, as I believe they are considering, the advisability of adopting the policy of asking the landlords materially to reduce rents, either temporarily or permanently, for it seems that the effect of such policy will not greatly affect the tenant's position, and may have the result of forcing the landowners to sell at any price. Should this be the case, land may reach the same position that houses occupy in many parts of the country, namely, that he who wants a house must buy it, there being a great disinclination to let. Farmers cannot change their profession, for the pursuit of which land is a necessity. If they cannot rent they will have to buy land, and it is manifest, should they do so, that the majority will not have sufficient capital for their farming; besides which, the tenant-farmer fully realises that the landlord provides him with the raw material at an extraordinarly low rate of interest.

When an owner is faced with the necessity of considerably reducing his rents, what are the alternatives? One is to sell, another to let the land go out of cultivation, another to farm it himself, and another to equip the land for a different method of farming so as to lower the costs of production.

Rents have, roughly speaking, been raised about $12\frac{1}{2}$ per cent. above the 1912 values, although, of course, many were raised far more than that because they stood at figures fixed in the nineties. This $12\frac{1}{2}$ per cent. rise is more than justified when the present purchasing power of money is compared with what it was in 1914.

Family estates, position, prestige and amenities are no longer of paramount importance; in fact, one might say that the last remains of the feudal system have all but disappeared. The owner, in his capacity of father, counsellor, friend and ruler to all on his estate, has practically ceased to exist. Hence landowners are willing to sell part or all of their ancestral or acquired acres, considering them

chiefly from the point of view of the return they yield, either in money or kind.

Many owners now live from hand to mouth, and are quite unable either to reduce rents or to put in fresh capital, and these owners, if rents fall, will be forced to sell their land.

The old stamp of landowner with capital at his disposal and the new wealthy owners of large property will very seriously consider how far they are justified, from the point of view of investment, in reducing their rents. They may, however, consider the advisability of spending money on improvements which will possibly have the effect of enabling the tenant to make more money than he would obtain by a reduction of rent.

Men of wealth owning small estates may possibly farm their own land when the tenant gives up.

Business men and corporations will consider for how many years reductions need be given, and may decide on the old principle that it is useless throwing good money after bad, and that the first loss is the best. Anyway, the inducements to hold on to land that held good in the eighties will not affect this class of owner, so that the chances will be small of their spending wealth in a "useful and frugal" manner on the land, the likelihood of a fair return being the ruling factor of their conduct.

The case of the occupying owner will be the hardest of all. If he cannot hold on, by some method or other, over the period of depression, he has no other course but to sell and try to save something out of the ruin. The figures of the Ministry of Agriculture show that the numbers in this class have increased enormously, and those of Sir Howard Frank, if applied to the whole of England, would show a still greater increase.

It now appears that the classes of landowners who may be in a position to spend further capital on land are reduced to—

(*a*) The old owners with capital at their command, and the new wealthy owners;

(*b*) Business men and corporations.

There seem to be no figures to show either the acreage owned by these classes relative to that owned by other classes, or to show their number as compared with the number of other landowners. If these figures were available, they would tend to show what percentage of tenant-farmers might receive help from the landlord in their trouble, and, further, they might help to show what percentage of arable land in England would continue to be well cultivated, and possibly what percentage would either be laid down or allowed to fall down to grass.

We now come to the practical side of the question of what can be done, supposing there is no money with which to do it. The question at once divides itself into two sections: Temporary Measures and Permanent Measures. The only real temporary measure is a temporary allowance off the rent, which, however large, is only a help and not at all a cure to the farmer. In fact, it is an expression of good will that exists between the landlord and tenant, and as such is greatly appreciated.

There are certain measures that can be taken now which will not be affected by the land remaining arable or becoming grass.

1. *A very thorough investigation into regular estate outgoings.*—This necessitates a large amount of research and work, but nearly always is productive of good results. On one estate over £300 a year was thus saved:—

(*a*) Assessment to income tax A and B. Personally I believe in sending in to the inspector of taxes a full return of all assessments worked out to the net Schedule A. This return enables the assessments to be instantly checked, and enables the agent to see, when he is making up Form 99 for returns of income tax on repairs, &c., how much he has already been allowed by way of deduction. It also prevents the tenants from being overassessed.

(*b*) Recovery of income tax in repair and allowances. Careful accounts must, of course, be kept, but it is not necessary to keep them so as to show the ex-

penditure on each farm, or to divide repairs from improvements. Remission of rent or uncollectable rent must also be re-claimed.

(*c*) Assessments on woodlands. So much has been said on the necessity of reducing these to about 2*s*. 6*d*. or less, that no more need be said except that there are still a great many acres of woodland assessed at 10*s*. or more. The advantages of putting woodlands under Schedule D are by no means proved. Very much consideration is needed before this should be decided on. When woods are let with the farm they should be assessed as part of the farm. This also, I believe, applies to rating.

(*d*) Rating assessments on lands, houses, &c., in hand. It is well to remember these two main grounds of appeal: (1) that the individual assessment is "excessive"; (2) that the individual assessment, although correct, is "unfair." In some unions the whole union has not been re-valued, and the assessments are based on present rents, with the result that the farmer who has his rent raised and has been re-assessed pays more rates than the one who has not. This is "unfair." Also, even if all the land was re-valued and the other property was not, the assessment would still be "unfair." It is quite worth while fighting the arbitrary allowance for repairs now that the Inland Revenue have recognised that all expenditure on repairs is to be deducted.

(*e*) Liability to land tax. When an owner owns most of a parish, it is as well to claim all old redemptions which are untraceable as being on his land. The Inland Revenue have to prove that they are not on his land before they can distrain.

(*f*) Assessment to land tax. The whole parish has to be re-valued before an assessment can be raised. When in a shilling parish the old assessment is very low, it is good policy to redeem the tax, for on

a new assessment the tax may be doubled. Of course land tax should be redeemed before land is developed for building, materials, or any other purpose by which its value will be increased.

(*g*) Liability to tithe, corn rents, &c., and deduction from the rateable value of farms. Sometimes a supposed corn rent turns out to be a tithe. Sometimes what is supposed to be a fixed charge is alterable at Quarter Sessions. Corn rates are sometimes not liable to rates. In all cases it is necessary to see that rates payable by the tithe-owner are not also paid by the farmer.

(*h*) Assessments of tithe, corn rents, &c., if tithe is received. Remember that the full amount of rates on tithe are deductable, not the half or quarter, or none actually paid before arriving at net rateable, and that is as well to claim 10 per cent. to 15 per cent. as a deduction to cover cost of collection, hypothetical tenant's profits, payment of tithe to owner before the tenant receives the tithe, and bad debts. Land tax is a separate deduction.

(*j*) Quit-rents and permanent charges.

(*k*) Continual agitation against the extravagant expenditure by local authorities. The expenditure on tarring the roads is actually detrimental to the farmer, especially the small farmer who sends his milk in with horses. A great deal of the other expenditure does not help the farmer as such in any way; such expenditure should be taken off the rates.

2. *The redemption of such charges as tithe and small quit-rents.*—Perhaps the yearly outgoing on tithe may be somewhat reduced by redemption by way of annuity either under the 1918 Act or possibly under a new Act rendered necessary by the fact that tithe in 1926 will be £130 instead of £109, rising to £135 in 1930. Tithe will then be a very heavy

burden, and the tithe-owner may have considerable difficulty in collecting it.

The scheme now suggested by the House of Convocation, namely, that ecclesiastical tithe should be redeemed at par, the landlord paying the rates, on an annuity for 50 or 60 years, appears to work out for a 50 years' annuity together with the Sinking Fund at 3 per cent. at a yearly payment by the tithe-payers of £137. The average value of tithe for the next 50 years has been worked out by the proposers of the scheme at 99, and as no appreciable value will be added to the estate in respect of the annuity till the last 15 years or so of the period, the proposition is unlikely to appeal to the landowner.

Sometimes private bargains can be made as to the redemption of tithe in lay hands. The redemption of tithe on land ripe for building nearly always enables a better price to be obtained. Small quit-rents can often be redeemed at 18 to 20 years' purchase, and, considering the trouble of payment, such redemption is advantageous.

3. *Repairs.*—There is no doubt that in this matter "a "stitch in time saves nine"; prompt attention to repairs certainly saves money. Especially is this true of roofs, spouting, and down pipes. The main object should be to keep them in good working order, and as far as possible to prevent decay. An unmended hinge very soon means a new door, a few boards off a wooden building means new framing, and loss of wall coping means that shortly the wall will have to be rebuilt.

Money is always well spent on paint, tar, or other wood preservatives, and it is fatal policy to neglect to paint or otherwise protect woodwork. It is, of course, very pleasing to see farm buildings all resplendent in paint, but paint is not the cheapest or even the best material to keep wet out of woodwork. Personally I much prefer gas tar. Gas tar, if it is well thinned down with creosote, petrol, or paraffin, and applied in several coats, will preserve wood and galvanised iron better than paint. Creosote is perhaps the best thinning material to use on wood, as it is itself a wood

preserver; petrol will give the tar the same smooth shiny surface that black varnish has. The tenant can quite well employ his own men to tar his buildings, whereas a professional painter is needed if paint is to be used.

The excessive cost of repairs is generally due either to the landlord's pride in the state of his buildings or to the inefficient management. The estate foreman is a very important person in this respect. It has before now paid the landlord to pension off a comparatively young foreman and to replace him by a really competent man at a higher wage. A great deal of time is wasted by estate men constantly being transferred from one job to another, the golden rule being to keep men on a job till it is finished. There are estates where too large a staff are kept, and others where insufficient supervision is maintained over the contractors.

If there is sufficient timber on the estate within easy hauling distance, a saw-bench for the conversion of home-grown timber is a great saving of expense. In places where timber is scarce and there is a good supply of washed gravel much can be done with concrete, both for building purposes and for post-making. Men who can be relied upon to do good work and are really suitable to a job should be found, *i.e.*, a man trained as a fine joiner is no good for farm repairs, as he does them too well. Immediate attention and intelligent management of the men and materials used should be exercised.

4. *Management.*—Mention has already been made of the estate foreman, but the agent is the person who is really responsible for the cost of repairs. Very often when a landlord wishes to curtail his expenditure he either reduces the agent's salary or appoints another at a lower salary. It is always interesting to watch these experiments, the results leading one to think that where good bricks have to be made without straw it is necessary to employ a man with more brains and experience than where straw is provided. Hence drastic economy in the agent's salary is possibly not the best point at which to start reducing expenditure. Whether it is better policy to employ a young capable man under an advising agent of experience or to employ a firm

of land agents, or to employ a single agent, depends entirely upon local circumstances ; all one can say is that on the management depends not only the cost of the repairs, but also to some extent the upkeep of capital value of the estate.

The more the landlord himself understands estate matters, the better will he be served and the easier will be the work of the agents. All those connected with land are noting with pleasure the tendency that is becoming increasingly prevalent since the war of landowners and the sons of landowners educating themselves for their responsibilities as directors of industry.

5. In the category of the measures that can be taken now, irrespective of whether the land remains arable, it is as well to include draining. By this arterial draining, *i.e.*, the formation of new draining boards, is not included. My own experience of several districts served by drainage boards does not lead me think that the improvement of the land is at all commensurate with the money expended, as represented by the yearly drainage rate ; but there are of course many opinions on this matter.

A large proportion of existing underdraining was carried out in the eighties, or about forty years ago, and a very great deal of this work is now on its last legs. It is sad to see the farmers, year after year, trying to produce good crops on wet land, which cannot, however well done, be cultivated so as to yield a profit. Manures are ineffective and do not last ; cultivations are not only more expensive, but more are required. Expenditure on draining does yield an immediate return to the farmer through lower costs of cultivation and increased crops of a better quality. Hence it is a method by which a landlord can not only help the farmer better than by giving him an allowance off his rent, but can at the same time effect an improvement that will last beyond the period of depression.

The high price of materials and labour now effectually prohibits the use of pipes, so that some other method has to be sought.

The use of draining machines, horse and motor drawn, and implements to excavate the trenches will not, it is

believed, solve the problem, for the pipes have still to be bought and hauled. Attention should be given to mole draining—a method that calls for no trenches or pipes. Mole draining is most successful on wet clays, and these are the soils that now need most draining. The best way to mole drain is to employ steam engines for the purpose. The price for drains 1 foot 9 inches deep and 7 yards apart (excluding the main drain, which should be a pipe drain) is, in Oxfordshire, about 28*s.* per acre. Mole draining can easily be carried out by the old method of a horse windlass pulling the mole drainer; it can also be carried out by tractor if a deep furrow be first ploughed, but probably the depth of 1 foot 9 inches will not be reached. The actual tool for forming the mole drain is quite a simple one, there being several makes on the market; some of them are not at all efficient.

If a field is already drained and the drains are in fairly good order, but too deep, there is often no need to connect the mole drains with the old system, as the water will find its way to the old drains.

6. On certain estates money can be well expended in cleaning out main watercourses and brooks. If unemployed men are engaged, a grant will be made towards the cost; but the trouble is that work cannot as a general rule be carried out in the winter, when the ditches and brooks are full of water. The effect of such cleansing is to allow the under-draining to work freely, thus improving the productive power of the land.

7. The provision of a cheap supply of lime for application to the land is one that is now becoming of considerable importance, so the rebuilding of old disused lime-kilns, or the provision of machinery to crush the unburnt limestone or chalk, are both well worthy of consideration as a means to help the tenant.

There are certain other measures that might with advantage be suggested, provided that it was certain that the Government would not interfere, compelling the farmer to plough up land which is now being laid

to grass, and that the price of corn does not greatly rise. Landowners have had their confidence in land as a permanent investment very severely shaken of late, especially by the repeal of the Corn Production Act. The political barometer is not by any means at a "set "fair." Each political party has its remedy, but none of the remedies suggested lead one to believe there will be any stability in landed matters, or that any inducement, however small, will be made to attract capital to permanent improvements.

1. The first suggestion is, naturally, that the landlord should find the permanent seeds, and the tenant the labour, which course, following the usual rule, would prevent the tenant ploughing up the field. The advantages of this policy are by no means manifest, for if prices of corn rise it will pay the tenant to plough the field again, in which case the landlord will lose the money spent on seeds; the conclusion being that it may be inadvisable in some cases to schedule the field as permanent pasture, and that in those cases the money paid by the landlord for seeds simply amounts to a temporary allowance off the rent.

2. The second suggestion is the supplying with water those fields now in process of being laid down. A field must have a water supply if the grass is to be improved, for it cannot be properly grazed if it has to run with another field, neither will it improve if it is constantly cut for hay. These water supplies can be carried out in many ways, the main point being to avoid, if possible, any expense incurred by sending a man to pump. The following are some of the methods:—

(1) To dig a pond and supply it by the under drains of the field, and, if the fall allows it, to put a drinking trough fitted with a ball valve. Mole drains will fill a pond more quickly than the tile drains.

(2) Collect springs by putting a land-drain along the outcrop of the water-bearing strata, and (*a*) convey the water by gravitation, or (*b*) pump the water by

means of a ram. Springs that give only two to four gallons a minute can be successfully exploited, where the fall is good and the lift not too great, by using a clever device which starts the ram working when the reservoir is full, and shuts it off till it is refilled.

(3) Put in an engine-driven pump or a gravitation scheme to supply several farms.

(4) Use the existing engine at a farm to pump water from the farm buildings supply to the fields.

(5) Connect with the nearest public water supply.

5. *Fencing*—Land laid to grass must be fenced in, otherwise it is cut nearly every year for hay, and will never improve. It is also difficult really to improve the pasture of very large fields, especially where the soil varies. Fencing even with wire is costly nowadays; a few strands of barbed wire do not really effect the object, for sheep, calves and pigs easily get through. Steel wire with reinforced-concrete posts makes a fairly cheap and permanent fence, and need not be objectionable from a hunting point of view, if a sufficient number of gates are put in.

On those estates where there is a sufficient supply of Scotch spruce, other soft woods, and poplar birch, it undoubtedly pays to erect a creosoting plant, but whether the creosote should best be painted on, be soaked up cold or hot, or forced in under pressure, seems to be undecided. This question might well be considered by the Ministry of Agriculture as one to be scientifically investigated. On one estate unseasoned oak posts, oak from a broken-up ship, and red deal posts, creosoted under pressure, were used for a protecting fence for a new road. After 10 to 12 years the posts were taken up, the creosoted posts were as sound as when put in, and a few of the ship oak posts could be used again, but none of the unseasoned oak was fit for use. A very old plan to lengthen the life of a post is worth mentioning, which is to bore a three-eighth hole in the post between wind and water after the fence is erected, and fill

it with the strongest possibly solution of sulpher of copper. This plan is good for all wooden posts, and certainly increases the life of a post for quite a long time. It has the merits of simplicity and cheapness.

Improvements or alterations to buildings.—These undoubtedly will be necessary to secure the best results when a farm now chiefly arable becomes chiefly pasture. It is this considerable expenditure of fresh capital that will be one of the chief factors in forcing a landlord to sell, the alternative being to leave the land to tumble down and be used as sheep or cattle-run without attempting where possible to turn the land into decent grass.

The form that the expenditure will take will vary according to the farm and the farm buildings thereon. Cowsheds, accommodation for calves, young stock, &c., and a suitable water supply must be provided. One golden rule on estate management is never to increase the number of roofs or buildings that must be kept in repair, which interpreted means do not put up new buildings if the old buildings can be converted to suit present-day requirements.

It would not, perhaps, be out of place to turn aside for a moment to consider the convertibility of farm buildings. Systems of farming are constantly changing, and a really suitable building of to-day may be out of date in 30 or even 20 years' time. For example, barns, hay-lofts over stables, and cowhouses, old-fashioned silos, narrow open sheds and nearly all cowhouses, have to-day to be rebuilt or altered. I would suggest that practically all farm buildings should be made of materials that will admit of subsequent alteration, or that will be worn out when their usefulness has departed. Stone and brick walls, with heavy plain tiles roofs, do not admit of easy alteration. Wooden buildings, covered with corrugated asbestos sheets, or other material in sheets, do admit of alteration, and, generally speaking, cost less to repair, besides being found possibly to be healthier than walled buildings, owing to the walls retaining the cold and damp. As the original cost of such temporary buildings is generally smaller, a landlord is able to help a greater number of tenants out of a given capital sum. The following

instance shows that the financial advantage to the landlord is considerable: Presuming a really substantial building of stone, slates or tiles will cost over £400, and a wooden building giving the same accommodation can be built for £250, the difference, *i.e.*, £150, invested at compound interest at 4 per cent., will amount in 30 years to £485. Therefore, at the end of 30 years, one owner has a building very difficult indeed to alter to advantage, while the other owner has £485 to spend on a new one, besides probably some usable material out of the old one.

The principle of constructing a building of such materials as will only last the term of its usefulness—sometimes called "the American principle"—does certainly, when applied to a large estate, considerably reduce the estate expenditure.

The economical expenditure of money on the alterations and improvements of farm buildings undoubtedly requires not only a thorough knowledge of building materials, but also a thorough knowledge of what each farm requires in the way of buildings so that it can be farmed to the best advantage.

The erection of cottages for farm labourers is a subject that to-day hardly comes within the province of a landowner. The housing problem is now a national question, and has, in this country, been taken out of the landlord's hands. The great difficulty that has been, and is still being, experienced of getting possession of cottages erected by the landlord for the use of agricultural labourers employed on his estate does not tend to turn the mind of an owner towards sinking capital in this direction.

May I venture to hope that the few points I have suggested may be of interest to the members, and be the means of promoting an interesting discussion as to the future of Estate Economics.

AT

THE ORDINARY GENERAL MEETING

Held on Monday, January 7th, 1924,

A DISCUSSION took place on a Paper entitled

ECONOMICS OF ESTATE MANAGEMENT,

By D. T. Thring (Fellow).

Sir EDWIN SAVILL, O.B.E. (Vice-President), in the Chair in the absence of the President through indisposition.

Election of Honorary Member.

The CHAIRMAN said it gave him great pleasure to propose the election as an Honorary Member of Professor Dunstan, Principal of the Royal Agricultural College, Cirencester, between which and The Institution there had been so long standing and so intimate a connection. Professor Dunstan was very well known in the agricultural world, and both by his own attainments and his eminent position his inclusion amongst the distinguished men who formed the class would, he believed, be unanimously approved by members of The Institution in all parts of the country.

The motion was put to the meeting and carried with acclamation.

LORD BLEDISLOE, K.B.E. (Honorary Member), said that he approached the task which had been imposed upon him of proposing a vote of thanks to Mr. Thring with some trepidation, not that he was not, like most of them, very grateful to Mr. Thring for his admirable and instructive Paper, but because, being something of a revolutionary on land matters,

he felt bound to be, to some extent, a friendly critic of the Paper. "*Tempora mutantur, et nos mutamur in illis*," "You "cannot stay the passage of time," and they had to adapt themselves to new conditions. For his part he favoured, in opposition to the attitude of crying over spilt milk, a strenuous endeavour to put straight the whole condition of the landed interest and the agricultural industry in this country.

The Paper, as the French would say, "gave one furi- "ously to think" upon a subject which badly needed clear thinking and which was imperative and urgent. Mr. Thring in his first paragraph suggested that the policy to be adopted by owners must vary according to their individual positions. It almost inevitably varied also according to their individual inclinations and their individual aims both personal and national. One of the great virtues of the old landed class was that being bred upon high traditions they almost invariably placed the interests of the public at least as high as their own.

Mr. Thring started by examining the utility of landowners as a class and of their expenditure upon their estates, and then proceeded to consider what inducements landowners had to develop their land. In considering the utility of landowners he quite deservedly commended them for their usefulness in the sphere of philanthropy, of local administration, and in the matter of the production of high-class pedigree stock. But he (Lord Bledisloe) rather wondered whether those achievements and activities were sufficient to justify in the fullest sense the "utility" of the landowning class. In the long run posterity would judge the British landowning class from the point of view of its economic value to the nation in the matter of the production of agricultural wealth. When he read in the Paper that "the money spent on estate "improvements hardly ever brought in a good return to the "landowner," and in fact that "it was a question whether "there had ever been any appreciable return in the com- "mercial sense," he was almost inclined to think that such admissions were a confession of failure. Could there be any ultimate "utility" gauged by any other test than justifica-

tion in an economic sense? Even the philanthropy of landowners, which had become increasingly difficult to-day with their attenuated means, had not been an unmixed blessing. In many districts it had tended to pauperise the poorest class and to make even the farming community somewhat lacking in backbone and resourcefulness, because tenant-farmers had known that they could depend upon the generous landowner when the industry was temporarily depressed. He was not sure that that had been good for the farming class. He was not sure that that had strengthened them to face economic difficulties when they had arisen both in the nineties of the last century and during the period through which they were passing.

Mr. Thring referred to the first long period of depression, and reminded them that the landowners then did a great deal which they could not afford to do in the present day to tide their tenants over those difficult times. Yes, but should not they rather, as leaders of the agricultural industry, have altered their methods of estate management and of farming practice, and adapted the process of land administration to the altered conditions? It was a very significant fact that, in the case of the country which ranked highest in agricultural achievement, the commencement of the period of growing prosperity dated from the time when they too were sinking into the trough of depression, and they had gone forward steadily ever since. It was true that that country, Denmark, was an exporting country with a very fine and well-organised market in Great Britain, but as a result of courage, organisation, and leadership by those who had the capacity for leadership, that period of depression became to them a period of enhanced prosperity. If in Denmark they had enjoyed (or should he say had suffered from?) the enervating philanthropy of their landed nobility, he doubted whether they would ever have achieved the great agricultural success which they had achieved.

Then Mr. Thring referred to the non-fluidity of capital embarked in land. That non-fluidity was perhaps the greatest defect from which their landed system had suffered. It was largely, if not mainly, due to the unfortunate system

of strict settlements of estates, and the impossibility in the case of most landowners (who enjoyed only a limited or tenant-for-life interest) of their realising by sale during their lifetime part of the settled property and investing the proceeds in the commercial development and equipment of the part retained. In Denmark the State had wisely intervened. There was a permanent system of entail; it was not limited by Thellusson's Act, or in any other way, as was the case in England. In Denmark the Government had intervened in the interests of the landowners themselves as well as of the prospective small-holders. As more land was required for the increase of their commercially remunerative small holdings, they had removed under the Act of 1919 that system of permanent entail, and so had not merely enabled further land to be acquired for this purpose, but had also set free a considerable amount of capital for the landowners to embark in the development and the industrial equipment of their estates. He traced the stagnation of the British countryside very largely to the ingenuity of English lawyers in encouraging the tying up of agricultural estates. It had stereotyped the British landowner as a rent receiver rather than as a producer and a leader or organiser of other producers. There was no greater injustice that a landowner could do to his descendants, and, indeed, to his neighbourhood, than to re-settle land under existing unstable conditions. Estate duty, which was such a heavy burden and threatened to become greater, was levied on the whole capital value of the land on the death of the tenant for life under a settlement, although he had only a limited proprietary interest. That alone seemed a strong reason for advocating early legislation to be promoted by the whole agricultural community to terminate the present unfortunate system of strict settlements.

Mr. Thring's figures as to the increase of holdings owned by the occupiers were very significant and very encouraging. The more people there were in the boat the better would the boat be pulled and the nearer they would get to the haven that they all desired. The unfortunate demand for land nationalisation was based largely upon the relative paucity

of separate ownerships and the undue magnitude of many estates. It was very remarkable to observe that during the period between 1908 and 1922 the occupying owners of holdings from 50 to 500 acres very nearly doubled, and that the smaller holdings had been actually reduced during that period in spite of strenuous activity on the part of the Government artificially to increase that type of holding. That of itself was somewhat significant.

The reader of the Paper divided landowners up into certain categories, but he (the speaker) wondered whether it would not have been better if the second category had not been split into two parts. The old landowners who had but scanty resources was the first category, and they were, in his judgment, by far the largest number. Then came the second category of "the old landowners and the new "wealthy owners who may be possessed of resources." He was inclined to ask whether, as a class, speaking generically, the attitude of the latter towards the land, its development and its responsibilities, was the same as that of the farmer. He rather doubted it. There were undoubtedly a few enlightened and rich men who had recently purchased estates, like the late Lord Manton, and who had patriotically developed them with a view to the maximum production of food and to the advancement of agricultural knowledge, but they were in a minority, and he ventured to think that those two sets of owners might usefully be placed in different lists. The men of wealth owning small estates were mainly non-producers, and therefore he personally had but little interest in them. The occupying owners were a far more important class, a class which was destined, in his judgment, to increase both by the continued sale of estates and the purchase of parts of them by the sitting tenants, and also by the growing tendency, fortunately, on the part of landowners to cultivate the whole or part of their estates themselves.

He noticed that the actual figures furnished by the Land Agents' Society to the Agricultural Economics Commission disclosed the fact that no return whatever was yielded by the greater part of agricultural land when the value of its

buildings had been taken into account. Further, they were told that English land was the cheapest in the world. He did not regard that as any compliment to English land. In fact, in all countries where agriculture was thriving, it was a very remarkable and interesting fact that one found a relatively high value of agricultural land. The great "Coke "of Norfolk" prided himself, in the eighteenth century, on trebling the rents on his estate. The remarkable thing was that his tenants eventually commended his enterprise, and the Government praised his patriotism. He did not think that they ought to aim at low rents, as they tended to produce bad farming. On the other hand, if it were possible to equip their estates more thoroughly from the industrial point of view, and then demand higher rents based upon the value of such equipment, he fancied that they would be doing good both to the landowning class and to those who rented under them.

Had he time he would like to examine the very interesting problem which was often discussed among landowners to-day as to whether the prudent expenditure upon equipment, labour-saving machinery, and the like, even though it meant a return of less than a full 5 or 6 per cent. upon outlay, was not a justifiable expenditure, and would not in the long run prove remunerative in the improved and continuous income to be derived from the estate upon which the money was expended. That was a surer way of keeping the estate in the family than by leaving it to crumble and get into disrepair, and not to be equipped on up-to-date lines.

The reader of the Paper had asked how long the present depression was going to last. His answer to that would be: "As long as agriculture remains unorganised, and land-"owners are following the lead of others instead of leading "themselves." Mr. Thring referred to certain factors which tended to cause the present low prices, and he referred, *inter alia*, to "cheap freights." He (Lord Bledisloe) took it that Mr. Thring meant cheap oversea freights, because they were suffering very much from *dear inland* freights for the transport of the products as well as of the raw materials of

the agricultural industry. No doubt he had also in mind, though he did not mention them, the high taxation, local and imperial, from which they were suffering, and the relatively high wages which they had to pay. When they examined those relatively high wages, the trouble was that they had to continue to pay to their workers the large amount of the tax which the middleman imposed upon them. In order to maintain the standard of living of the agricultural workers they had to pay them a higher remuneration for the same amount of work. They would all agree that the greatest handicap which agricultural estates and those who lived upon them had to face to-day was the appalling burden which the middleman interest placed upon them. In addressing the British Association two years ago, as President of the Agricultural Section, he said, and he never saw it refuted, that the middleman interests, as far as agricultural produce was concerned, was greater, and more costly to the producer, in this country than in any country in the world. It was more, in fact, than the agricultural industry could afford any longer to carry on its back.

With reference to the transference of part of the burden of rates to the Imperial Exchequer, he was bound to say that he would never be happy as long as rates were levied upon one form of property in this country to the exclusion of all other forms. After all, rates were instituted in the reign of Queen Elizabeth for local purposes, when land represented about 95 per cent. of the whole wealth of the country. To-day agricultural land (the least remunerative form of property) represented, he believed, less than one-twentieth part of the wealth of the nation; but real property alone had still to pay rates, not merely for local purposes, but for national (and very expensive national) services as well.

Mr. Thring had briefly referred to the topic of protection. Speaking as an old Tory protectionist Member of Parliament —thank goodness he was not in that position to-day—he could not help thinking that straining after protection for agricultural products was like crying for the moon. Any hope based upon protection for agriculture was bound

eventually to lead to disappointment. Furthermore, it tended to restrict enterprise and to prevent a true diagnosis of the disease from which agriculture and the landed interest were suffering, and consequently it tended to stand in the way of the adoption of true remedial measures. Thirdly, if instead of trying to bolster up the agricultural industry with anything that could be described as a sop, whether a subsidy or tariffs, they were to endeavour to remove the many handicaps from which agriculture suffered in this country, whether in the way of rates, transport charges, or otherwise, surely they would be treading a path less likely to be obstructed and more likely to lead to the desired goal.

Mr. Thring had referred to "the single tax," and he (Lord Bledisloe) was rather interested to know whether Mr. Thring had in mind something else which was generally associated with it, namely, the taxation of land values. He knew that he would be considered a most dangerous revolutionary when he said he was beginning to think that the taxation of land values or (as he preferred to call it) the non-taxation of land improvements, applied to agricultural land as distinct from urban land was well worthy of serious consideration in the interests of everybody. If it meant that improvements to agricultural land would be exempted from taxation either altogether or for a period of years, he would hold up both hands enthusiastically in favour of it. That was the case in Denmark, and was one of the sources of their prosperity. Every one of the little owners there could go forward confidently and equip his holding with plant, machinery, fertilisers, and other requisites for the improvement of output, knowing perfectly well that upon that part of his property there was going to be little or no taxation. That was a great inducement to improve the land, and to obtain a greater output from it. But if the land was going to be assessed, not at the sort of value that Mr. Thring put upon it, but upon a purely artificial value which took into account the capital value of past improvements, that was quite a different matter.

Mr. Thring had referred to the question of whether it

was wise in times like these to make remissions of rents, or rather "to reduce rents either permanently or temporarily." He hoped that they would not recur to the unfortunate practice of temporary remissions of rent. That practice made farmers as well as landowners unbusinesslike. It reduced the farmer's capacity of making provision in relation to the prudent conduct and organisation of what, after all, was his own business, and not that of the landowner who had little or no say in its management.

Mr. Thring had suggested that the old style of landowner with capital at his disposal might consider the advisability of spending money on improvements which would have the effect of enabling the tenant to make more money than he would obtain by a reduction of rent. He (Lord Bledisloe) would like to see him spend money, if he had it to spend, on improvements which would enable him (the landowner) to make more money than he would otherwise make, for in many cases when that money had been expended for the benefit of a (possibly ungrateful) tenant, in the long run there would be no more return from the farm than there had been before.

In conclusion he would like, in spite of his friendly criticisms (and if he had been able to go on, he might have added a few more), to thank Mr. Thring most heartily for his Paper, and particularly for those parts which he had not attempted to criticise, because they were beyond criticism.

Mr. C. P. Hall (Fellow) said he was very pleased at being allowed to second the vote of thanks to his old friend Mr. Thring for his excellent Paper. When he first saw the title of the Paper, "Economics of Estate Management," he was rather afraid he might be going to lay himself open to the charge of "creating despondency and alarm"—which was a serious crime during the war—and one to be deprecated at the present time in the case of the British landowner. But he (the speaker) congratulated him on avoiding any such offence, but, on the contrary, compiling a very comprehensive survey of the position full of practical obser-

vations, though he had not gone so far as to agree with the optimistic philosopher Bacon, who, 300 years ago, wrote: "Where men of wealth do stoop to husbandry, it multiplieth "riches exceedingly." Mr. Thring apparently did not support that view, judging from his Paper. Time would not allow him to refer to the points in the Paper at any great length, and he was sure they would think him very feeble after the eloquent address from the statesman's point of view which they had had from Lord Bledisloe. He would make the suggestion in that connection that the Council should invite Lord Bledisloe to read a Paper at The Institution, and develop the points which he had brought before them, so that they could have an opportunity of discussing and criticising them. Perhaps the Secretary would make a note of that suggestion. He could not attempt to follow on Lord Bledisloe's lines, and the few remarks he would make were more from the land agent's point of view.

Land, like other forms of property or investment, could prosper or be depressed from the return point of view only by the ratio the income bore to the expenditure. Under present conditions there would seem to be little hope of any immediate rise of income from ordinary agricultural estates. Therefore it was to the expenditure side that they must necessarily turn. Mr. Thring had called attention to the importance of rates and taxes, and he thoroughly agreed that that was one of the most important outgoings, and one of the most important matters which the landowner or the land agent could undertake. During recent years there had been opportunities of obtaining very valuable concessions if people who had the knowledge went to work and applied themselves to get those concessions. Mr. Thring referred to repairs. That also was another principal and equally unavoidable item, and they were all very grateful to Mr. Thring for the hints he gave them on economies there. He could not agree with Mr. Thring that the excessive cost of repairs at the present day was entirely due either to the landlords' pride or to inefficient management. Those elements might have something to do with it in certain cases; but when neither of those points existed, the cost of repairs was still

excessive. It was more due to the high wages, the short hours, the ca' canny methods of the workman, and the cost of materials. He attributed the high cost of repairs more to those factors than to the landlords' pride in sparkling paint. About thirty years ago a bricklayer he knew on an estate would lay about 1,200 bricks a day, and was proud of it, but the most one could get nowadays was from 250 to 300 bricks a day.

The question of under-draining was an increasingly important one. The mole drain was a more economical method than any other, but unfortunately it did not apply in all circumstances. When one could not apply the mole drain the pipe drain was out of the question, and the land would have to go undrained for the time. Mr. Thring's advocacy of temporary buildings on the American plan did not appeal to him. Mr. Thring's suggestion that the landlord should invest the difference in cost between the permanent and temporary buildings so as to provide a fund for rebuilding at the end of thirty years had rather amused him, because he did not know a landlord he could induce to set aside the difference and invest the money. Perhaps Mr. Thring was more convincing to his clients than he (the speaker) was. He was surprised that Mr. Thring considered that "the erection of cottages hardly came "within the province of the landowner as it had become a "national question and had been taken out of his hands." The provision and upkeep of cottages had always been one of the most necessary and one of the most costly items in estate management, and housing schemes did not afford much relief. Cottages in rural districts were not being built very freely; and where they were being built, the rents of 8*s.* to 10*s.* per week were quite prohibitive to the agricultural labourer. Housing schemes might indirectly, and probably did, assist in the cottage question. If the housing scheme houses which were being built with public money were appropriated to housing public servants, such as the police, postmen, road men, school teachers, railway employees, and the like, who in rural districts were largely housed at nominal rents in estate cottages, then many

cottages would be liberated for the agricultural workers, and so would relieve the landowner from having to erect new ones.

He would conclude by seconding the vote of thanks to Mr. Thring for his Paper, which had been criticised by Lord Bledisloe from what he himself had described as a revolutionary attitude, and whose views he hoped they would hear more fully in the future.

Sir Henry Rew, K.C.B. (Visitor), said he was extremely indebted to The Institution for having given him an opportunity of being present that evening and listening to the very able and interesting address by Mr. Thring, and also to what had already been described as the statesmanlike speech of Lord Bledisloe.

The greater part of Mr. Thring's Paper dealt with economics in estate management, about which he had no qualification to express an opinion, but in the earlier part of the Paper reference was made to the economic position of agriculture generally and of landowners in particular. He had given some attention to problems in that connection, and it was only on that aspect of the subject that he would venture to make one or two diffident observations. Mr. Thring had remarked that agricultural land was not a commercial proposition. He was inclined to think that that remark applied not only to the present time, but probably for a very long time past. It was extremely doubtful if at any time in England since the fifties or sixties anyone who was purchasing an estate of agricultural land really thought he was going to get a return for his investment equal to that which he might get if he invested the same amount of money in some other form of property, and still less if he invested it in some commercial enterprise. The reason why agricultural land in England had kept up its price to any extent was that there had been associated with it residential and amenity values, for which people had been prepared to pay a certain price over and above its value as a commercial proposition. An interesting question among the many problems which concerned them at the present time was whether that

residential and amenity value would be kept up in the future as it had been in the past. He was one of those who thought that, in a small country like England, the land of the country probably would always have a residential value, but it was notorious that the amenity value of an agricultural estate, in the way of social prestige, for example, and amenities of that description which attached to the ownership of agricultural land, had been very materially diminished in recent years. That in itself might affect the market value of the land.

He confessed—and in these times he might be a little bit peculiar in confessing it—that his tendency was towards optimism—certainly a somewhat unusual tendency in the agricultural gatherings which he occasionally attended. He was all the more pleased to hear Mr. Hall deprecating an alarmist or exaggerated view of the facts. He could not help thinking that that warning was appropriate at that moment. It did not seem to him that, in the long run, it was beneficial to the landed interest, or to any agricultural interest, that there should be current such a large amount of depreciation of the whole agricultural position as though they were on the verge of ruin. He had noticed yesterday in the *Sunday Times* that a keen and competent observer like Sir Philip Gibbs, in an article about all sorts of matters, remarked casually, as though it were a mere platitude, that "agriculture was dead or dying." It seemed to him that that was not only nonsense, but mischievous nonsense. It was perfectly true that there were individual landowners, and also individual farmers, who financially were either dead or dying, but that did not mean that the agricultural interest or the land of the country was done for and was going out of business. The truth was that all that which was described as depression and ruin could be summed up in one phrase, namely, that British agriculture, after the long disturbance due to the war, had reverted to its pre-war position. That really represented practically the truth. It might be, and it was perfectly arguable, that the pre-war position of agriculture was by no means a satisfactory one, but they did not in 1913 or 1914 talk about agriculture

being dead, even although some of them thought that it was capable of improvement in many ways. He believed that they had been suffering, as all industries in the country had been suffering, not so much from what was called, in the old sense of the term, depression, but from the state of transition and of adjustment to new conditions and new circumstances. That had been a very painful process, and very likely a disastrous process, to individuals, but that was the real truth about the crisis through which agriculture had been passing.

He would like to refer to the table that had already been referred to, which Mr. Thring gave on page 62. Figures were there given from the Ministry of Agriculture returns of the number of holdings of various classes owned by the occupiers, and reference was made to the increase of ownership since 1908. He had looked a little more closely into those figures which were published in the Agricultural Statistics, and he thought those figures would be of some interest to them. The number of occupying owners of holdings of from 1 to 50 acres in 1922 was 14·1 per cent.; of holdings of from 50 to 100 acres the percentage owned was 16 per cent.; of from 100 to 150 acres the percentage owned was 16·8 per cent.; of from 150 to 300 acres the percentage owned was 18 per cent., and over 300 acres the percentage owned was 20 per cent. The interesting point about that was that as one went up in the scale of size so the proportion of holdings owned by their occupiers progressively increased. Mr. Thring said that it was impossible to give any reliable figure of the number of agricultural landowners in the country; but if one adopted the method of deduction, one could get some sort of guidance. He had given them certain figures, but he had not given them the totals. The total number of holdings by occupiers was 62,680, and the total number of holdings altogether was 420,000, so that the number of farms still let was 357,000. Mr. Thring might tell them what might be a reasonable figure to take for the average number of farms owned by a landowner. There were owners who owned a single farm going up to estates in which there might be 20 or even more

farms. What the average would be he had not the faintest idea, but for the sake of argument it might be reckoned that the average was five farms on an estate. Then, by simple arithmetic, one would arrive at the conclusion that the number of agricultural landowners was 70,000. If one took any other figures as a more reasonable average, one would adjust that figure accordingly; but by some such means he submitted one might arrive at a fair idea of what the number of the agricultural landowners in the country was.

He would not detain the meeting at any length, as much that he might have attempted to say Lord Bledisloe had already said a great deal better. Lord Bledisloe described himself as a revolutionary. He (the speaker) had sometimes been accused of a similar tendency, though he was not altogether sure that he would always go as far as Lord Bledisloe, ex-Tory protectionist as he called himself; but, in any case, he did think that the principal theme that Lord Bledisloe had endeavonred to impress upon them represented the true view, namely, that it was up to British agriculture and to those interested in British agriculture, landowners, farmers, and labourers, to realise that it was no good lamenting over the past. They had to face the facts of the present and the future. They had to face the fact that the old land system still survived, as was established by the figures he had given them. If those figures were at all right, they showed that the landlord-tenant system, which was characteristic of this country more than of any other country in the world, was still surviving and still vigorous. If that was going to be preserved, and he believed that it was good for the country that it should be preserved, then it would be preserved only if those who were influential in it would see that it was adapted to the new and modern requirements, the social and economic requirements, of the whole nation.

Mr. H. J. Watson (Fellow) said that it gave him great pleasure to support the vote of thanks to Mr. Thring for his Paper. He was very pleased indeed to read it, and he agreed with him in nearly every respect. He (the speaker) traced the present disastrous condition of agriculture back

to 1906 and to the campaign that was levelled against the landowners at a later date, a campaign which was started with the most vindictive speeches from the platform and was afterwards carried on silently but surely throughout the war. He would mention no name, but they were suffering at the present moment from that campaign.

Lord Bledisloe and Mr. Thring referred to the "eighties "when agriculture was suffering from a very severe de- "pression." That was the first blow. They came up from that—they survived and stood to their guns, but now they had received another blow. This time they had to make up their minds that again they had to get up. They had not to lie down under the blow they had received, but they had to get up and fight again. The way they were going to fight again was going to be different, he hoped, to the way in which they did it last time.

Reference had been made to the help which the landlords had given to the tenants in the past, and Mr. Thring had specially referred in his Paper to reductions of rent. He entirely agreed with Mr. Thring and with Lord Bledisloe that a reduction of rent was not the means of righting agriculture at the present time. The landlord was not the man to go to at the present time, for to save the situation in agriculture by reductions of rent was rather like giving a depressed man cocaine—they might revive the patient for the moment, but they killed him in the long run.

Mr. Thring had referred to drainage, and drainage was one of the most important things in connection with landed property, more important, if possible, than the buildings. When they dealt with the question of drainage, and thought of the past history of drainage, they found that the reason why the drainage of the agricultural land of this country was so badly controlled was because of the want of co-operation among landowners. One man did his duty, cleansing out his ditches, and so forth, but the next man did not do it, and therefore the work of the first man was rendered entirely inoperative. If there had been co-operation in the past the remark which Mr. Thring applied to buildings would have been true with respect to drainage,

viz., that "a stitch in time saves nine." The expense of drainage on estates would have been very much less if all had worked together to see that the drainage of the agricultural land of the country was efficient.

It was not very much use getting up and talking about what had happened in the past. They all knew what had happened in the past, and where they were in consequence of it. From the campaign against them to which he had referred they had as a legacy a disorganised industry and heavy taxation, including the death duties which had done so much to cripple estates, and the super-tax which was trying to complete their ruin.

He had several notes down, but his points had been more ably stated by previous speakers. However, there was one thing which he was perfectly convinced represented the only solution for the difficulties of the agricultural industry to-day, and that was the co-operation of all classes connected with it to save themselves. It was no use going to this Government or to any Government or to any party to seek remedy for the difficulties of agriculture. The remedy for the agriculturist lay in his own hands. Instead of taking up their time by saying anything further he would like simply to refer to a book he read coming down in the train called *Where are we going?* by Mr. Christopher Turnor and Mr. Gilbert, with a preface by Lord Bledisloe, and ask everyone to read it. With those few words he wished to add his thanks to those already expressed to Mr. Thring for his Paper.

Mr. S. E. Downing, Secretary to the Ecclesiastical Commissioners (Honorary Member), said it was with considerable diffidence that he ventured to speak to such an assembly of experts on the very practical Paper from Mr. Thring, but one thing that struck him with much pleasure in Mr. Thring's Paper was the underlying recognition of the fact of the membership of the landowner in the partnership in agriculture. In fact that had been the position for many years. The landowner had been a partner in agriculture and had been performing his part, and performing it ex-

ceedingly well, though possibly he might have performed it better. They grew in enlightenment, and landowners did so as well as other people. One reason why landowners might not have performed the more efficient part that they could have performed in agriculture in the past was perhaps because they had too little an eye to their own interests and too great an eye to the interests of the tenants and of the community generally.

He would like to refer to that portion of Mr. Thring's Paper where he was dealing with the various matters to which land agents and others could turn their attention, such as the clearance of estates from such charges as tithe and small quit-rents, &c. That really was a very practical thing. It was desirable to get rid of a great many of those charges on estates. One thing which possibly militated against landowners clearing their estates of the smaller charges of that nature was that they did not themselves feel the real burden of them. The real burden of those petty charges fell on the agent. He had all the trouble. The burden was really very largely the trouble. He was the man troubled by them, and, therefore, the clearance of them was greatly to the advantage of the agent, but that advantage to the agent was also an advantage to the landowner himself. It was surely better for the landowner that his agent should not be spending his time on a lot of useless work, but rather should spend his time on the useful work and the more important management of the estate. He would entirely support Mr. Thring in his suggestion that one of the things which land agents could do was to attempt to get rid of those small charges.

One of the objections to getting rid of those charges, not so much such charges as quit-rents, and so on, but such charges as tithes had been very frequently mentioned to him in this way, namely, that the existence of those burdens on the land prevented, or helped to prevent, the putting on of other burdens on the land. To put it another way, it was said that to clear away those burdens was an invitation to the Government to put other burdens on. That was regarded too seriously in many ways. One of the burdens

to which that was said specially to apply was tithe, which was among the considerable burdens. It might be perfectly true as regards burdens which had those qualities of universality and something like equality, which were the qualities that a tax reasonably should have, that objection might apply to that class of burden, but it did not apply to burdens which were either not universal or were very unequal. That was not a mere *a priori* suggestion. He would take the somewhat horrid example of the Finance Act of 1909-10. New burdens were put upon land by that Finance Act, but the existence of such burdens as tithes created no difficulty whatever as regards the application of those new burdens. Tithes were treated as fixed charges. They were taken out of the calculation of the capital value of the land for the purposes of the total value or the assessable value. Any statesman wanting to put fresh burdens on the land was quite capable of dealing with fixed charges of that nature in that way.

He wanted to draw attention to another point in connection with that. Mr. Thring in his Paper, dealing with tithe, said: "The scheme now suggested by the House of Convo-
"cation, namely, that ecclesiastical tithe should be redeemed
"at par, the landlord paying the rates, on an annuity for
"50 or 60 years, appears to work out for a 50 years' annuity
"together with the Sinking Fund at 3 per cent. at a yearly
"payment by the tithe-payers of £137. The average value
"of tithe for the next 50 years has been worked out by the
"proposers of the scheme at 99." He did not want to go into the figures in detail, but in connection with the question of the general redemption of tithe he was frequently referred to what was called the average value of tithe based either on the last 50 years or the next 50 years. The figures to which Mr. Thring referred were a series of figures commencing with the assumed value of tithe in 1926 of £130, and going gradually down to £90 or £80, or whatever figure the person making the estimate thought was a reasonable one. If one took 50 years from £130 down to £90 he would assume it worked out at what was called the average of £99; but he would suggest turning the series up the other

way, and, assuming a series of £90 rising to £130, they would find the average was exactly the same, namely, £99. But the burden on the landowner in respect of the tithe was a certain high price to begin with which might go lower; but what they really knew was that in 1926 it would be higher, and what they were hoping as landowners was that it would gradually go down. The series was not going the other way. So that the burden of the landowner was not really the value of the series of £90 going up to £130, or the value of £99 on what was called the average, but it was the present value of a series commencing at £130 and going down to £90. He did not need to make any calculations on that. The Ministry of Agriculture kindly made it for them every year, and two or three years ago they said the series was worth £118 per annum in perpetuity, the year following it was £108 in perpetuity, then £104, and they had just been told it was now £104 in perpetuity. When they were considering any scheme for the redemption of tithe, he ventured to suggest they should bear in mind that the simple method of taking the average of either the past or the future was not the safest guide to what it was worth the landowner's while to pay for redemption.

Mr. J. Whitton Aris (Fellow) rose with great pleasure to support the vote of thanks to Mr. Thring. He was connected with the first category of estates which was in the unfortunate position of having very poor resources; and therefore the hints Mr. Thring had given them were specially applicable and gladly welcomed by him. He was also pleased because his experience, in a minor key, had been somewhat the same as Mr. Thring's, only in the reverse order. Mr. Thring had left the management of private estates, and had gone to the management of another class of estate where super-tax and income tax did not worry and death duties were unknown. Unfortunately he (the speaker) had gone in the reverse order, and had gone to where they were very much known.

He was pleased that speakers had taken the line that they must not view the whole position in a spirit of pes-

simism. He had been about fifteen years at the estate he was now managing, and he could say that, except for the first two, there had been no period of tranquillity, but it had been a case of meeting changes. He welcomed Sir Henry Rew's view of the position that they were in a period of transition. There could be no policy except the policy of alert opportunism, which would take advantage in every way of any Acts of Parliament or of other assistance which could be obtained, and also they should push on and try and get more. He would take the famous "People's Budget" as an example. It had one great advantage. It forced him, like a good many other people, to make an exact terrier and coloured maps for the whole estate which, with a system of book-keeping adapted to meet the ever-varying requirements as to returns and relief claims, formed the basis and backbone of any estate management on those estates which had been carried on on the old system. Some people would have it that the old system was worn out. It might be worn out in the eye of the financial realist, but it was a case of "though "it might not be war it was splendid" to persist in sticking to an ancestral heritage.

He had no compunction in saying and in acknowledging that the word "feudalism" had not any particular drawback to his mind. He did not mean the actual methods of it, but the spirit of combination and co-operation of all parties which it involved, and the recognition by all sections of interlocking interest, and of duties no less than of rights under it, was what they had to try and get back to. The methods must vary and progress like everything else. To use a sporting phrase, in the management of an estate and in the method of dealing with tenants one should not use the curb but the snaffle. In these days the occupation of a farm was a much more important matter relatively to the rent than it used to be, and therefore the tenant must be given a more independent way of dealing with it. He must not be trammelled with the hard covenants they remembered reading of in old leases, but he must use the Agricultural Acts according to his best judgment in helping himself according to the particular circumstances he had to deal with.

In these days, when profits were difficult to obtain, it was a serious matter to advise a tenant that he should act on a particular farm in a particular way. The best help one could give was to keep an eye on the tenant, and at the same time to encourage him to break out in his own way and use his own self-judgment and independence. The Agricultural Acts did give them control in a way. It gave the tenant responsibility and security; but at the same time there were various clauses which protected the landowner. The very fact that being behind with the rent was a reason for losing compensation for disturbance had a steadying effect on the tenant. There was one asset that was not generally recognised, namely, that a large estate with traditions, and running on known and regular lines, had a great advantage in that it commanded the best market. One could invariably secure the best tenants that were available. That was a great matter. If one could get the best tenants, and then let them go on, more or less, on their own lines, it seemed to him that was the best way of treating an estate at the present time. There was little fear of making tenants soft by pampered treatment.

The question of maintenance was a very large one. There, again, his instructions were, and he thought it was the proper course, that they were to help the good tenants and they were to encourage them to do things, helping them in that way to help themselves. Customs varied. On the estate he had to do with the tenant was responsible for half the labour. He thought that it would be an advantage if there were a regular custom throughout the country.

With regard to new buildings they were hardly in a position to consider such proposals at the present time, and he was not certain that that was not an advantage in one way. In the seventies, in the good times, a lot of new buildings were put up, and the tenants were able and willing then to pay a percentage. But the depression came and wiped that off entirely. They had got the buildings, but, in many cases, little, if any, of the increased value remained.

In the way of improvements the one thing they might

always be certain of doing well was water supply. Water was always a necessity and an advantage to anybody, especially on properties where a supply enabled fencing to be done at the same time. Just recently that policy had been specially advantageous, owing to the grants that the Government had given towards water schemes. He was connected with Wiltshire, where, as a matter of fact, there had been more schemes than in any other county in England on account of the grants which had been given. That might be due to the conditions of the county, but it was also due to the fact that they had a very able drainage officer, who was a Fellow of The Institution, and who was very sympathetic, and did his level best to try and push forward any scheme that was proposed. That had been a great help. The tenants were only too pleased to pay the interest, seeing that often it was less than the cost of the previous haulage of water. In one case they had got back, under the Government grant, £300 out of a £1,300 job, which made it a very reasonable proposition. It was the same with regard to the cleansing out of watercourses. There had been valuable Government assistance to many of the more progressive tenants.

He did not ask for preferential consideration; but he would end by mentioning one or two matters of grievance apart from prices of produce and rating. There was forestry, for instance. He hoped The Institution would continue to press for the policy of making its treatment more equitable in the matter of taxation and death duties. There was no encouragement to do anything in the way of planting. If the death duties could be used to assist any replanting, that would be fair and would be an advantage to the country as well as to the estate. With regard to the country cottage question, in all the Government schemes the urban element was predominant, and the country cottage question had never been properly tackled. In his district a certain number of houses had been built, but it was only about one-third of the number, which were occupied by the employees of the Government, local authorities, and the railway companies. He wished The Institution could bring pressure to bear on

the railway companies to do their share, which they had so far neglected to do.

The vote of thanks was then put, and carried with acclamation.

Mr. THRING said he greatly appreciated the kind way in which they had received his Paper and for the more than generous manner in which they had expressed their thanks. He was specially pleased that the Paper had resulted in so excellent and useful a discussion, which had more than repaid him for any trouble to which he had been put in preparing it. He considered the discussion initiated by Lord Bledisloe and followed by others had been perfectly magnificent. Any criticism directed towards the views he had expressed had, in his opinion, merely emphasised the importance of the subject and added to any value which his Paper might have possessed by throwing a new and wider light on the questions he wished them to consider. He did not think that any further words from him were needed in reply to what had been said in the course of the discussion. That had been illuminating in itself.

He could only again thank them for the reception they had accorded him.

Paper 480.

APPROXIMATE ESTIMATES.

By Alan Paull (Fellow).

To be read at the Ordinary General Meeting of The Surveyors' Institution on Monday, 11th February, 1924.

When I consented to prepare a Paper on Approximate Estimates I anticipated finding in our Library some record as to when this form of work first took shape, but on enquiry no such information was forthcoming. We can, therefore, surmise that the origin of the term is lost in the far distant past, as many centuries ago the following words were spoken: "Which of you intending to build a tower "sitteth not down first and counteth the cost whether he "hath sufficient to finish it?" Doubtless it can be argued that these words really apply to an estimate by a firm of builders based on a proper set of quantities.

It would ease the life and, incidentally, increase the earnings of quantity surveyors if bills of quantities were prepared for every building scheme, and remuneration received for such work. This, however, is Utopian, as human nature rebels against paying for "brain work" from which no benefit can be directly traceable: so we find the words "approximate estimates" have come to the fore.

It may help us in a cynical sort of way if we stop for a moment to consider the dictionary meanings of "approximate," which are "nearly approaching accuracy "or correctness—nearly precise, perfect, or complete" (I quote from the Century Dictionary).

In stern reality, how many times have these definitions escaped us? Yet quantity surveyors are not always to be blamed if the results of tendering prove the approximate estimate to have been unreliable.

Let us just trace the usual procedure in the matter of approximate estimates for building schemes. The architect receives from a client an outline of the sort of building he has in his mind, enumerating the amount of accommodation required, and then adding as an afterthought, so to speak, that he is not prepared to spend more than £——.

The architect proceeds to prepare sketch plans, skeleton elevations, and, perhaps, a section, though more probably he contents himself with indicating on the elevation the floor levels. He then communicates with his quantity surveyor and asks for "an approximate estimate."

It is here that experience of an architect's usual method of working out his schemes in detail is very essential and valuable.

How is the approximate estimate to be prepared ?

It will, I suggest, be conceded that "cubing" is the most common of all methods. Cubing means taking the outside size of the building, ascertaining the area occupied, and multiplying the result by a height taken from the top of the concrete in the foundations to half-way up the roof. It is advisable also to "cube" the chimney-stacks, bays, dormers, and other outstanding features, and include them in the total.

A worrying point is often what depth of foundations to allow for, so it is essential to find out on what sort of site the building is to be erected, and the nature of the ground.

Having obtained all the information possible under the above headings, comes the "crux" of the whole problem, namely, the price per foot cube. It is only experience and comparison with the actual cost of similar class of work which can be a safe guide.

To attempt to make a schedule as to the prices for various classes of building would, in my opinion, be absolutely misleading and valueless, as practically every job has to be viewed, so to speak, from its own angle. Not only has size to be considered, but position, whether the site is easy of access, whether the materials proposed to be used are easily obtainable in the locality, general character of the finishings, and many other points which would take

too long and be tiresome to enumerate. It may sound a heresy to many, but in my opinion success in deciding on the amount for approximate estimates depends largely on "intuition," and no rule of thumb can be laid down without becoming a trap for the beginner.

After deciding the price per foot cube for the building, in many cases the cost of central heating, electric wiring for lighting and heating, drainage, fencing and paths have to be considered. In the first two cases it is advisable to pass on the approximate estimates to specialist firms, and in the remainder to take out the quantities roughly and price them at current rates. The cost of all these having been ascertained, the additional price per foot cube can be calculated and the report made out.

Approximate estimates for buildings with deep basements present a different problem. In these cases I am in favour of roughly "taking out" the excavation and brickwork, &c., up to ground level as a guide to arriving at a price per foot cube, and treating in the same way any underpinning that may be required.

My practice has not been with reinforced concrete buildings or engineering works, but doubtless there are some present this evening who can speak from their experience as to the best way to handle these problems.

So far my remarks have dealt with new buildings, but the preparing of approximate estimates for alterations and additions to existing buildings must not be left out of consideration.

In these cases it is advisable to visit the premises before attempting to place a value on the proposed works.

The general method of construction and finishings must be noted, and it may be necessary to open up to ascertain the depth of foundations. Where distinct additions are proposed, these can be "cubed" in the ordinary way, and then any pulling down of walls or partitions, the erection of new partitions, &c., the blocking up of existing openings and cutting of new ones must be considered. It is also advisable to ascertain whether redecorations are to be included in the report.

I have referred to "rough" quantities. This is another method of preparing approximate estimates, but to my mind, except in the circumstances I have indicated above, there is greater liability to error than in the accepted "cubing."

It is always a difficult matter to decide how much to "take-off," and what to include in the descriptions.

Pre-war it was generally accepted that in $1\frac{1}{2}$ brickwork the finishings, both externally and internally of an opening, could be set against the deduction in the brickwork, and this still holds good if the cost of ironmongery be added. Another drawback to this method is the time occupied in tabulating the various items, and where no payment can be anticipated for one's time and trouble this is a serious matter.

Before passing on to other points which come under the heading of this Paper, I can but hope that my disjointed remarks may cause our clients to realise that in asking for an "approximate estimate" in a kind of off-hand way they are really making a demand for great skill and experience.

The issuing of certificates during the progress of the work may be said to come under the heading of "approxi-"mate estimates." Where there are no bills of quantities these can be prepared only by carefully ascertaining the ratio the work done bears to the whole, and reporting in accordance therewith.

Where bills of quantities priced in detail are available, it is then possible to come to a conclusion as to what proportion of each trade has been completed, not forgetting the "preliminaries" and provisional sums, until the the work is approaching completion, when the total cost should be taken, and a deduction made for what has still to be done, and for the retention money under the contract.

One of the most difficult forms of approximate estimates is issuing certificates where work is being done under a priced schedule and there also occurs a large amount of work as "daywork." Further complications occur where the client orders work of a character not previously contemplated, and for which, therefore, there are no schedule

prices. As is well understood, it is not always possible for measurements to be completed of any definite section, so that it can be billed and priced; so it is by no means easy to hold the balance fairly between the employer and the builder. In these circumstances I generally examine the method adopted by the builder for keeping his prime cost, and, if satisfied with it, I go through his figures as a help in arriving at an approximate estimate.

In the early days of my practice great stress was laid on the use of " constants " for labour in making approximate estimates.

The introduction of labour-saving machinery, first of all in stone-working, not forgetting mouldings in joinery, and latterly in digging, concrete-mixing, and breaking up of aggregate, has made it practically impossible to rely on any of the old tables. As far as my knowledge goes no attempt has been made to form any tables meeting the new conditions of work, nor, I suggest, if any were formed, would they be of service after a very short period, considering the changes that are always taking place in the use of different materials and the varying speed of the human machine.

Thus far we have been considering approximate estimates from a surveyor's point of view, but to my mind even what we call a " firm " tender from a builder, when based only on drawings and specification, is nothing more than an approximate estimate. He undertakes to carry out certain work for a definite amount which he considers will not only pay for all labour, materials, and overhead charges, but also leave him a good margin for living expenses. We all know how often his anticipations come true, but who of us has not had the experience of being told of losses having been made? We may have a shrewd idea that losses mean that not as much profit has been made as was anticipated, but, after all, we come back to the point that such tenders are, in fact, approximate estimates.

Very often, when an approximate estimate is being discussed, the question is asked, What is the relative cost of building work at the present time compared with pre-war? This does not admit of an easy reply, as in ordinary

work methods of construction are adopted, and materials used, very different from the pre-war days; but speaking from my own experience, I am inclined to suggest the present-day cost is $1\frac{3}{4}$ times over pre-war.

There is one form of approximate estimate which, I understand, is used for insurance purposes, namely, by ascertaining the area of the rooms, or what is known as "carpet area," and attaching a price per 100 feet super. There may be some present this evening who can speak on this branch of the subject, as I have had no experience in same.

As a quantity surveyor I should first arrive, in the usual way, at the cost of the building before attaching any price to the floor area. I am aware that this floor area is often taken at a letting value for the purposes of a valuation of the property, but this is outside the scope of my Paper.

We must not forget that before actual buildings are spoken about, there has, in many cases, been the laying out and developement of an estate. We are fortunate this evening in having this phase of approximate estimates dealt with by Mr. J. J. Done.

PAPER 481.

APPROXIMATE ESTIMATING FOR THE DEVELOPMENT OF BUILDING LAND.

By J. J. Done (Fellow).

To be read at the Ordinary General Meeting of The Surveyors' Institution on Monday, 11th February, 1924.

As requested by your Secretary, I offer the following figures for the assistance of those who have to estimate the probable cost of developing building land.

With matters in the present uncertain and fluctuating state, one can do so only with great diffidence, and rather with the desire to assist than with any feeling that the assistance may be of real value.

Before the war the all-round figure which I had in my mind was that the cost of developing building land could be reckoned at about £300 per acre. That is a figure which I have employed on many occasions, and which has generally justified itself; that is, for plots having a depth of 100 to 125 feet deep. Deeper plots require less road-making per acre, and, therefore, some modification of that figure.

At the present time the cost of development is not easy to reckon; but the following figures may be of some assistance.

In July, 1914, I obtained an estimate for a road 730 feet long and 50 feet wide, which came to £1,129. This included kerb, channelling and other works, forming a complete and fully metalled road and paths, and requiring a sum of £55 for making a sewer connection under a tramway.

In May, 1922, on the same bill of quantities, another estimate was obtained to see if it was practicable to go on with this road; and on this occasion the lowest estimate was £2,621 6*s.*, that is, nearly $2\frac{1}{2}$ times as much. Since

then I think the cost of road-making has somewhat decreased, but for my own purposes I should be inclined, as a rough estimate, to take £750 per acre as against my former £300.

The following prices for a road at present under construction may furnish some guide:—

	Cost.
9-in. sewer, average 8 ft. 3 in. deep ...	10*s.* per ft.
Manholes	£5 per ft. of depth
Storm-water drain, average 5 ft. deep, part 9-in., part 12-in., and part 15-in. pipes	8*s.* per ft. run

The pipes themselves cost as follows:—

343-ft. run of 9-in. pipe	2*s.* 7*d.*
179-ft. „ 12-in. „	5*s.* 1*d.*
291-ft. „ 15-in. „	7*s.* 4*d.*
Inspection chambers, about 5 ft. deep ...	£20 each
Gulleys	£12 „

As regards the cost of road-making, I have no figure for kerb and channel, as I do not think at the present time this is a justifiable expense in a builder's road; but the following figures for road-making may be of some assistance:—

	@ per yard.
Dig to top spit about 6 in. deep, and lay aside best turfs for re-use	3*s.* cube
Dig to clay and wheel and deposit (one run) spread and level for formation, including forming batters to cuttings and embankments	3*s.* „
Dig to clay and remove and cart away or wheel, average 8 runs...	3*s.* „
Shoot clay or other approved spoil to fill up low places and to form embankment. Spread level and consolidate to formation level, including forming batters to embankment	1*s.* „

	@ per yard.
Provide screened well-burnt clinker or other approved material, and well roll with a 10-ton roller, to be 3 in. thick after consolidation	8*d.* sup.
Provide good clean hard core, and well roll as before to 9 in. thick after consolidation	3*s.* 3*d.* ,,
Provide and spread gravel, or clean flints, to pass 2½-in. ring and roll as before to 3 in. thick after consolidation, and form proper cambers	3*s.* ,,
Lay turfs or top soil laid aside as before described to form cambers at side of metalled surface, and roll with hand roller to proper falls	4*d.* ,,

In addition to the foregoing figures 10 per cent. should be added for contingencies, including surveyor's charges for quantities, district council's fees, &c.

In making an estimate of the probable cost of development, in addition to the roads, the following items have to be taken into account:—

First: The redemption of land tax, if any.

Secondly: The redemption of tithe rent-charge, if any. This is not absolutely necessary, but it is very desirable in the majority of cases. It is my custom on one estate not to redeem the tithe, because the landlords continue to pay it as before, which saves trouble. What the consequences might be if they were to sell the ground rents in lots I do not know; but I shall leave that difficulty until it arises.

Thirdly: Compensation to tenants on obtaining possession.

Fourthly: The cost of diversion of footpaths, my first experience of which was an account for £40, and my most recent, £70, for the same thing.

Fifthly and last, but not least: The loss of interest during the process of development; surveyor's commission for the introduction of builders; legal expenses, &c. As to those, one can offer no reasonably reliable guide, because if the estate goes off rapidly it is one thing, but if it hangs fire it is another, and very different.

AT

THE ORDINARY GENERAL MEETING

Held on Monday, February 11th, 1924,

A DISCUSSION took place on Papers entitled

(1) APPROXIMATE ESTIMATES,

By Alan Paull (Fellow),

AND

(2) APPROXIMATE ESTIMATING FOR THE DEVELOPMENT OF BUILDING LAND,

By J. J. Done (Fellow).

Mr. J. D. WALLIS (Vice-President) in the Chair, in the absence of the President through indisposition.

The CHAIRMAN said he was sorry to say that the members would not have the pleasure of seeing the President in the Chair that evening on account of his recent illness. He was glad to say, however, that the President was convalescent; he had put in a very full day's work at The Institution that day, having presided at the morning and afternoon sessions of the very valuable conference which had been held between the Chairmen and Honorary Secretaries of the County Branches and the Council. The President had also been able to preside at the Council meeting that day, but by the advice of his doctor he was not allowed to be out late at night. All the members would join in expressing their pleasure at the President's recovery, and their sincere hope that he might soon be well enough to attend the evening meetings.

Before proceeding to the discussion of the Papers, he desired to refer to the sad loss which The Institution had suffered by the death of Mr. Howard Martin. All the

members knew how much Mr. Howard Martin had done for The Institution, not only during his year of presidency, but previously, and more particularly as chairman of the Education Committee. Mr. Howard Martin had been one of the first Presidents to visit regularly the County Branches, and had done much to stimulate interest in The Institution and its work throughout the country. He had always taken the keenest interest in the welfare of the Junior Members, had taken the chair at their meetings, and had used his great influence to ensure that proper facilities for their training were provided. To him personally Mr. Howard Martin's death was a very sad bereavement indeed. He had lost in him an intimate friend and colleague, as both Mr. Martin and he had been brought into very close relationship during the past few years by reason of the office they held as official arbitrators.

The Institution had also to mourn the loss of Mr. Duchesne, who had been so eminent an authority on forestry, and who had done so much for The Institution with regard to its Forestry Examinations and Museum. It seemed only a short time ago that Mr. Duchesne was present at a meeting of the Education Committee, desiring, in his enthusiastic way, to help that Committee in every way by advising as to the improvement of the Forestry Examinations. It would be the members' wish, no doubt, that votes of condolence should be sent to the two families.

This was carried, the members upstanding.

Mr. Dryland Haslam said he had been accorded permission to give one illustration of the exceeding kindness of heart and helpfulness of the late Mr. Howard Martin towards the younger members, in order that it might be placed on the records of The Institution. About a year ago, busy man though he had been, Mr. Howard Martin had given up a whole day to go to Reading in order to preside at a mock arbitration held by the Junior Members of the Berks, Bucks and Oxon Branch of The Institution. Mr. Howard Martin had presided exactly as if it were the

most important arbitration in the world. At the close of the arbitration he had most kindly criticised the work of the younger men who had taken part in the proceedings, whether as counsel, surveyors, or witnessess, and subsequently he had prepared and issued his award exactly as if the proceedings had been a big and important arbitration. It had caused immense pleasure to the younger men, and had been of the greatest help to them. It was that sort of thing which had endeared Mr. Howard Martin to all the members of the profession.

Mr. PAULL said that as his Paper had been published in the *Journal* for the last few weeks he did not propose taking up the members' time by reading it.

Mr. DONE said he proposed following the same course, but he would like to add that, since his Paper was prepared, the Ministry of Health had published some model clauses which he thought all those members interested in building development would like to read and digest. The bulk of them were rather outside the particular question which was being dealt with that evening—that was to say, approximate estimates—but he desired to make some remarks, because the suggestions which were made in the model clauses included suggestions, not exactly for a specification, but they did imply that any council or authority might issue its own particular code or specification. Under Part 2 the following provision appeared: "Where it appears to the "Council at any time that the standard specification of "works and materials attached to the First Schedule "to this Scheme ought to be varied, they may make an "Order, with the approval of the Minister, varying the "specification in accordance with the provisions of Clause —, "and the specification included in the Order shall there-"upon be deemed to be substituted for the specification in "the Schedule."

All he desired to say on that was, as far as his own personal opinion was concerned, he did hope that there would be no frantic desire to issue those specifications.

The state of affairs at present was so perplexing to all who had to develop building estates, and thereby provide the houses that were so badly wanted, that they did not want to be hampered by any cast-iron rules and regulations. On the contrary they desired to be allowed, as far as they could, to meet the difficulties in their own particular way. That was his own suggestion. He did hope that the general opinion of The Institution would be heard on that point. Speaking for himself, and knowing what it was to have to deal with those regulations, he hoped that they would be allowed as free a hand as was possible in the circumstances.

Mr. F. H. A. Hardcastle (Member of Council), in proposing a vote of thanks to the authors for their Papers, said he had been taken a little by surprise. He had expected to hear the Papers read in the usual way by the authors, but the course which they had adopted certainly had the advantage of saving time. He hoped the authors would not be disappointed in thinking that every member present had taken the opportunity of reading and mastering their Papers, which had already appeared in the *Journal*. Personally he had read them with great pleasure. They were well written, and certainly were timely, as the subject dealt with was one that came home to every surveyor.

Persons engaged in financing building enterprises generally found the money required so considerable, both in itself and in regard to the means of those who had to supply it, that it was absolutely essential to make some reasonably accurate forecast of the expense before the enterprise was started. Many and various were the means which had been adopted in making those forecasts. There was, of course, the well-known and usual method of cubing up, which Mr. Paull had clearly described in his Paper. Then tables had been prepared, based upon the results of experience, the best that could be obtained, giving the price for houses at so much per room; of churches and chapels at so much per sitting; of schools at so much per school-place (both elementary and secondary); of hospitals at so much per bed; of business premises at so much per square foot of

floor space. With all those attempts the members were, no doubt, familiar, and regarded them all as empirical. There could be no doubt that the much abused method of cubing up, after all, in default of anything better, held the field. It was true that that was but a rough method of making the calculation, but in the hands of a man of experience and judgment a tolerably close forecast could be arrived at by means of it.

In his young days he had been in the office of a well-known surveyor who had been a President of The Institution (the late Mr. T. M. Rickman), a man with a remarkable faculty for making forecasts on the cube. It was quite true that he had the advantage of working for an architect with a large practice, and thus there was a similarity in much of the work. He remembered how Mr. Rickman used to take exceedingly careful cubic measurements of the buildings, much in the way which Mr. Paull had described—taking into account special considerations, such as a somewhat richer treatment of finishings, adding amounts for boundary walls, outside drains, and other extraneous matters which could be roughly calculated, and keeping very careful records of the known cubic price of buildings of various kinds, and particularly noting at the end of the job, after the variations had been measured and everything allowed for, including the vagaries of the client, the results of the total arrived at, and comparing it with the estimates made on the cube. In that way a large amount of useful information was accumulated. He was bound to say that Mr. Rickman, and one or two other surveyors whom he had known, had been able to make very close approximations to the ultimate cost by estimates on the cube. He thought it was almost a personal gift. Mr. Paull spoke of it as intuition.

There was one method which he used to hear about some forty years ago, he knew of two firms which at that time adopted it, viz., of measuring up the brickwork in a building, pricing it at £66 a rod, and taking that as the cost of the building. He would refrain from charging his memory with the names of the two firms of builders which had

during the rush of Board-School work in those days taken work on that basis; in fact he would not be sure that they were in business at the present time. It did seem a heroic way of arriving at an estimate. The members would perhaps hear that evening something more of the different ways of arriving at forecasts. He would not enter further upon the subject, but would invite information from those present. Surveyors might render valuable help to their professional brethren by placing the results of their experience in this matter at their service.

Before sitting down he would advert for a moment with some sympathy to Mr. Paull's critical reference to the use of the word "approximate." It had always struck him that the phrase "approximate estimate" was something of a misnomer. In one dictionary, to which he had referred, the meaning was given as "reasonably accurate." He was reminded of an incident within his own experience. He had once mildly reproached a builder who had given him an estimate without quantities after inspection of the drawings and specifications. He did not know how that builder had arrived at his result; but, still, he had given him the estimate, which had turned out to be very wide of the mark. On his mildly remarking that he was disappointed, the builder had apologetically said, "Well, sir, you must remember that it was "very approximate"—the most remarkable instance of making words say the exact opposite of what they ought to mean that he had ever heard. However, approximate estimates they were called, and approximate estimates he expected the members would find them called as long as they lived. He only hoped that some rather more accurate and reliable method of arriving at them might be found.

Mr. A. Burnett Brown (Fellow) said he seconded the vote of thanks to the authors with the greatest pleasure, because he did really admire the courage of the two authors in attacking such a subject by way of Papers, which was a very difficult thing to do. He did not think there could be any subject on which it was more difficult to read a Paper;

certainly there were few about which it was more difficult to speak.

The authors had alluded to the definition of the term "approximate estimate," and Mr. Paull had yielded to the temptation of approaching it, as he said in his Paper, in a somewhat cynical sort of way. He took it that the cynicism was in the words "nearly approaching accuracy." Personally his own view of the definition was that "approxi-
"mate estimate" was an estimate, whether by an architect or surveyor, a builder, or a road and sewer contractor, which was not based upon a full and proper bill of quantities prepared by a competent surveyor. He thought every estimate other than that was of necessity an approximate estimate. Even where such other estimates had been given, one had known of clients who, when faced with the eventual cost of the work, had complained that they had not been warned in the first instance that the original estimate was an approximate estimate. There were no, and there could not be any, text-book formulæ of a reliable nature for arriving at approximate estimates. There were, of course, certain rule-of-thumb methods to which Mr. Paull had alluded, such as the price per foot cube, which could be applied to certain classes of buildings: but he entirely agreed with Mr. Paull that that was a very unreliable guide, and one which in the hands of an inexperienced man might be misleading. Broadly, he would venture the assertion that competence in the difficult art of forming approximate estimates of a fairly accurate character could be acquired only by long experience, by close observation, and accurate deduction.

There were occasions when approximate estimates were required, and where no plans were in existence. For instance, many surveyors acting for large estates had to negotiate the letting of building sites. In the course of negotiation one was faced with the question from an applicant, "What is this going to cost me if I build on your
"site?" One could not say, "I want to let you this site.
"Will you make me an offer? but I cannot tell you what it
"is going to cost to put a building on it." One must give

some sort of approximate estimate from one's experience of what a building of the character which would be put on that site was likely to cost. That was followed possibly by a building agreement or a lease. In that building agreement, and before one saw any plans, or before the plans were submitted, one had to insert the minimum sum which must be spent upon the building in order adequately to secure the ground rent and to provide a building which would properly utilise the site. All that was, of course, an approximate estimate, and one of a character difficult to arrive at, because one had no basis in the way of plans upon which to go.

He supposed that every surveyor of experience had accumulated data, and had deduced certain formulæ of which he made use in forming approximate estimates. Those he had noticed as a rule were guarded as secrets. Personally he hoped there were many present that evening—he particularly suggested quantity surveyors (he was not one himself)—who, fired with enthusiasm by the example of Mr. Paull and Mr. Done, would release the fruits of their long experience for the benefit of their fellow-members.

He would just say one word to those commencing practice and who might be met by the necessity of forming approximate estimates. He would advise the young practitioner never to be afraid of overestimating. Was it cynical to add, especially if the client were a lady? He was much more likely, he thought, to underestimate than to overestimate. In the former case he was likely to prejudice his client and his own reputation. In the latter case his client would eventually be satisfied, and would confirm the confidence which he had reposed in him. Personally he had noticed—and he had heard others say the same—that there was a general tendency among young surveyors in valuing property to value too high, and in estimating for approximate estimates to estimate too low. That was a thing to be guarded against.

With regard to the figures which Mr. Done gave in so interesting a manner, he desired to say that his own recent experience confirmed those figures. He doubted very much

if it were possible in the London area at the present time to develop land for building at below from £700 to £750 an acre.

He seconded the vote of thanks to the authors with the greatest pleasure.

Mr. Dryland Haslam (Fellow), in supporting the vote of thanks to the authors, said his remarks would have reference only to Mr. Done's Paper. Mr. Done and Mr. Brown had spoken of the cost of road-making from the point of view of London. He would like to give the following illustration from the point of view of an urban district near a county town. In 1913 he had laid out a long road, and had made only half of it. It was 40 feet wide, and had cost 25*s.* 6*d.* a yard to construct as an estate road; the sewers had cost 15*s.* to 17*s.* 6*d.* a yard, and the manholes had cost £10. In 1923 they had wanted to complete that road. The cost of making the road had gone up to £3 6*s.* per yard—a little more than 2½ times as much as in 1913, the sewers cost 28*s.* to 31*s.* per yard run, and the manholes had gone up from £10 to £22 10*s.* Those figures confirmed the fact that in a country district the cost of road-making had risen from 2½ to 3 times what it had been in 1913. The result was, of course, that the increased development for which everybody was anxious, in order that more houses might be built, became increasingly difficult, if not almost impossible in some districts, to carry out. If, as in a case like the one of which he was thinking, one could only subsequently get about £2 to 50*s.* per foot run for a plot of 200 feet depth, development became almost impossible. He hoped that the figures he had given would be of assistance to those who had to make approximate estimates, in completing their calculations.

Mr. Cuthbert Lake (Fellow) said he gladly rose to support the vote of thanks to the authors, and to take the opportunity of speaking on a subject in which he was interested and of tendering some thoughts on approximate estimates as regards valuation work.

It was a bold venture to speak on the subject in that room, for those who were present were all men of experience, and they all knew more than could be put into words on the subject of approximate estimating.

There was but one word of advice to give to the junior, and that was "Don't."

Approximate estimating in valuation work was quite as dangerous as any other form of guessing. Used by itself the value of an approximate estimate could be gauged by the fee which a client was prepared to pay for it, and no further word needed to be said. But, as a check for sound valuing, approximate estimating was of the greatest aid to sound judgment. Most valuers found that they, consciously or unconsciously, made valuations by more than one method whatever the object of the valuation might happen to be, and the "rough estimate" was one method. It was not a practice which even the most experienced valuer could absolutely rely upon, for it involved not merely experience, but also qualities which, with most men, were curiously apt to be faulty at times. It might be as the result of overfatigue or ill health, whilst the man who was susceptible to the influence of the enthusiasms of those about him was particularly liable to err in short-cut valuations.

With all deference to Mr. Alan Paull and to Mr. Done, and before he gave them a single example, he would warn every young valuer to treat any figures they might give with caution, for if the approximate estimate was proved by circumstances to be wrong, then their rough-and-ready method was not sufficient to justify their valuation even to themselves. Most of the methods which had been mentioned by Mr. Paull and Mr. Done were familiar to him, and, indeed, he had used them as a check, and had found them particularly useful in saving him a great deal of labour. But he frequently committed in practice a far worse crime than even the authors had advocated, and in his first valuation the figure which he put down was often nothing more than a pure intuitive guess, as logical or illogical as the guess of the buyer of beasts, sheep or pigs at Smithfield. His second step was, as a rule, to prepare

the particulars of the thing the value of which he had already guessed at. As those particulars were put together, weighed and tested, one gradually built up a basis of usable values, bearing in mind at the same time the quality and quantity of the valuable users, until one settled down to a figure which, when it was arrived at, seemed instinctively to be right, but was sometimes even then put on one side with the first guess.

It frequently appeared advisable to consider other possible methods of valuation, and then to compare the various results. Occasionally one found that a number of alternative valuations suggested a use for the property which had not occurred to one in the first instance, and indicated a quarter where a special buyer for a special purpose might be found, and that was one of the most useful results of approximate estimates in valuations.

His knowledge of approximate estimates prompted him to warn anyone against depending upon the judgment of someone who ventured his own credit solely upon tem.

It all came back to this: No one would pay for an approximate estimate, but they expected one to give a close-reasoned advice if they were going to part with a fee.

The work that fell to his lot in the office in which he laboured included a considerable number of mortgage valuations. Sometimes a dozen would come in at a time, and the particulars had to be subjected to a screening process which might be described as an "approximate estimate," and it was true that he seldom passed one as "probably good" on such a first scrutiny, and subsequently found it insufficient or unsuitable on survey; but as to how one arrived at that result he could give no rules which would be of any service. He found in the office sales room that in 1923 there had been signed well over 300 contracts for the sale of freehold ground rents, and the prices had ranged from 14¼ to 51 years' purchase. In the sale of shop freeholds the figures represented from 9 to 34 years' purchase of the net freehold rents. In connection with land he found one group where adjoining pieces of land had been sold at £1,000, £500, £450, and £400 per acre, and land within a few yards had

changed hands at £50 per acre, and, in his opinion, all those prices were fair, and the reasons had been obvious, but one could not give a short-cut method showing how the value could be arrived at.

He found, in their properties under management, the percentage between gross and net incomes in their housing estates, excluding Schedule A, ranged from 30 to 70 per cent., and he was speaking here of groups of properties and not single properties.

In 1920 he had had figures taken out to ascertain what had been the income tax which had been paid on those various groups, and it had been interesting to see that it had ranged from 3*s.* 3*d.* to 17*s.* in the £ before the Finance Acts had given greater relief in respect of excess expenditure on maintenance repairs, insurance, and management.

He submitted, however, that approximate estimating meant something much more than anything which Mr. Paull or Mr. Done or other speakers had so far discussed. It was really the art of shortening labour, and that was an art or, in fact, a gift which came with age to those who were receptive and humble of mind, and who also possessed and cultivated a sense of humour. His grandfather had been a surveyor. He had been born in 1800 and had died in 1883; and he (the speaker) had some of his price-books, which were now only of quaint reminiscent value, but his grandfather had taught him, as a child of seven to nine, a number of things which might serve to illustrate his meaning. They were, firstly, that if you found a virginia creeper draping a house, and its stem was unusually stout, then there was probably a drainage leak somewhere about; secondly, if you found signs of damp in a house, it might be a sparrow's nest in a rain-water shoot, or the result of a gardener piling up a rockery above a damp course; thirdly, that a smoky chimney was the probable result of a badly set stove.

Twenty years after his grandfather had told him those things he remembered putting in over one hundred bricks behind a stove in Leadenhall Street, and doubling the rent of a grateful tenant who had paid gladly to be free of pur-

gatory. He remembered also that as an assistant he had devilled for three strenuous years for a master of short cuts, for whose memory he retained both gratitude and affection, among other things for such comments as "It doesn't take "much to make some people busy"; "You cannot charge a "client more than the work is worth to him"; "When the "man you are meeting seems unduly stupid, there may be "a bad case behind his stupidity."

Here he was addressing men who could cap every short cut he illustrated by more than the like number, but the report was available to more than five thousand surveyors, and if the discussion that evening resulted in the recording by all of the members present of such short cuts as might occur to them, he felt that it would be interesting and instructive to those members, who could not attend, when they came to read their *Journal*.

Mr. J. E. Drower (Fellow) said the present occasion was a very interesting one because, as far as he understood, it was the first time The Institution had ever had a Paper before it which dealt purely with the technique of quantity surveying. Quantity surveying had been dealt with in a good many Papers, but he did not think The Institution had ever had a Paper quite on the lines of that of Mr. Paull.

Mr. Paull had chosen a most difficult subject for his Paper. Indeed he thought he might say, without fear of contradiction from his quantity surveying brothers present that evening, that approximate estimates were the bane of their lives. They generally had to be done in a hurry; the drawings were incomplete, the instructions and the specification were scanty, if they existed at all, and yet surveyors were expected to do in a hurry what required really the greatest demand upon experience and the greatest need for mature consideration. Again, approximate estimates were of some importance, because upon them might sometimes actually turn the point as to whether a building should be put up or not. If the estimate were too high, the architect was naturally annoyed. If the tenders came out somewhat lower, the architect would say, "If I had only known of

"this I would have put in this, that and the other which I "would very much like to have done; and now I cannot "get my client to agree." Then if the estimate were too low, the quantity surveyor might involve his client in great expense. However, an approximate estimate was, after all, but an approximate estimate, and he did not quite know what other phrase could be used but "approximate esti- "mate." As they had it he thought they had better keep it. The members might possibly remember the story in *Don Quixote* when Sancho Panza said the word "cricket" instead of "critic." When told that he meant critic, he replied, "How can it matter what I say as long as you "know what I mean?" The same thing applied to the phrase "approximate estimate." It did not really matter what they said; they all knew what was meant.

There were a good many ways of making an approximate estimate, some of which had been mentioned that evening, cubing, and so forth, but he felt he must join issue with Mr. Hardcastle when he said that, after all, the method of cubing held the field. Cubing was an extremely delicate thing. It took so very little, as far as a building was concerned, to make that cubing futile and wrong. In comparing buildings one would be surprised sometimes to find what a small difference in the plan, what a small difference in the height of the floors, or an extra floor, or an extra partition or two, or an oblong house instead of a square house, would mean in cubing. A very slight difference would make one's approximate estimate worthless.

There were some buildings to which cubing could not be applied; for instance, reinforced concrete buildings. Mr. Paull had mentioned concrete buildings, and desired to know how they were dealt with. As a matter of fact they were very seldom cubed. It was quite simple to take off approximate quantities for a reinforced-concrete building. Reinforced-concrete engineers had certain tables which they used which were extraordinarily accurate. Taking one of those fine buildings which one saw in the building papers—long factories with flat roofs—the engineers took the outside walls at so much a foot superficial; they took

the floors at so much a yard superficial according to their bearings, and the whole thing was done very easily and quickly and with extraordinary accuracy. That, however, did not apply to other buildings.

After one had got one's approximate quantities, came the more important question of attaching the prices. Anybody could take out the quantities roughly, but very few could price. Reference had been made that evening to the intuition which some people had in pricing. It was really an extraordinary thing; it was an intuition which was well known to medical men, mental doctors and others, but they could not explain it. It was, however, certain that there was an occult faculty in some men which enabled them to deal with figures with great accuracy. The members might remember how Mr. Brassey, the great railway contractor, had an "earth man" who was an entirely ignorant man, and who had never been to school. He could not add up a sum, but he had that extraordinary intuition which enabled him to stand on a hill, look on the country in front of him, then look at the drawings of a railway, and tell in half an hour what it would cost to do that railway per mile. Mr. Brassey had such confidence in him that he had no hesitation whatever in accepting that man's figures as accurate. And Mr. Brassey was no fool: he died a millionaire.

What was the difference between an approximate estimate and a definite estimate? The difference was that one was an opinion and the other was a fact. Surveyors were often blamed for their approximate estimates being inaccurate, but when they came to consider the difference between what the approximate estimate was and what the definite estimate was, which was afterwards given on bills of quantities, and they compared the difference between the various tenders, he thought it was no matter of surprise that the approximate estimates should sometimes be a little out. At the same time it was certain that the difference in approximate estimates was greater than that in definite estimates. A definite estimate could never be replaced by an approximate estimate. He would like, in that connec-

tion, to draw attention to something which had happened quite recently, and which was extraordinarily interesting. In the *Builder* of last week there was an extract from Mr. Percy Nobbs' Paper read before the Royal Institute of British Architects on 21st January. Mr. Percy Nobbs was a well-known Canadian architect, and during the course of his Paper he said: "As the ordinary surveyor was all "but unknown in Canada, and the contractor took "his own quantities, rarely requiring more than a week "even on a big undertaking, every one concerned on a "job had a good deal more discretion as to interpretation "than with the English system. This added to the "architect's responsibilities"—and now came Mr. Nobbs' "peroration—"but on the whole, it made for self-respect "and professional dignity and standing on the part of the "contractor."

Personally he had no idea he was such a villain. He had no idea that in giving bills of quantities to unfortunate contractors he was undermining their psychology and making them lose their self-respect, and degrading them. He asked the members to look a little more closely at Mr. Nobbs' Paper. Mr. Nobbs said: "Every one concerned "on a job had a good deal more discretion as to interpreta-"tion." That pointed to imperfect drawings and imperfect specifications and instructions—drawings and instructions which led to more than one interpretation. It was apparently a case of so many contractors, so many interpretations. Mr. Nobbs further said: "On the whole it made for "self-respect and professional dignity." Personally he could not understand it, but there it was in the *Builder*, a most respectable paper. Mr. Percy Nobbs also, he believed, was an architect of eminence, and so they must take his statement with respect, but, if what he himself heard about the methods of finishing up contracts in America and Canada and the Colonies generally was true, he hardly thought that a perpetual struggle and squabble from beginning to end between the architect and the builder made either for self-respect or mutual respect, and he could not see how it could add to the dignity of either of them.

He had great pleasure in supporting the vote of thanks to the authors for their Papers.

Mr. Christopher Chart (Fellow) remarked that a week ago, after reading the Papers, a friend of his had told him he had signed a contract to purchase a house and would like him to go over and visit it with him. His friend had taken him over the house, explained to him what alterations he desired, instructed him to prepare some drawings for adding a garage and to get prices for laying on electric light; and as he was going away and was shaking hands with him, after being in the place twenty minutes to half-an-hour, his friend said, "Now, old chap, what is all this going to cost?" He supposed people imagined that a mere cursory examination such as that would enable a surveyor at once to place an approximate estimate on the cost of the work, even although the bulk of the work was simply ordinary decoration.

Turning to the details of the Papers, he quite agreed with Mr. Paull's remark that cubing held the field as the most general method of estimating the probable cost of building work. In pre-war days he had kept a very careful account of all buildings—the prices both of the tenders and of the actual ultimate cost, with notes of construction, and he used to flatter himself that he could put on a fairly accurate price per cube foot. He found now, however, that there was the very greatest difficulty in estimating what was the proper price per foot cube. Within the past month his firm had had some tenders in for a small housing scheme. There were two types of cottages in one contract built with the same prices on the quantities for each type. The difference in the price per foot cube of those two types of houses varied as much as three-halfpence. In the one case they were larger houses built in blocks, and in the other case they were much smaller houses built in pairs.

He had seen, from time to time, suggestions made as to methods of taking out rough quantities and pricing those. He must confess that, having tried a good many methods of

that sort, he had never been successful in getting anything like a satisfactory result. It was, as Mr. Paull said, most difficult to know how much one was to take out. The only type of building in which he had found that was of much service was the building of the warehouse class, a one-storey building, where one got a number of bays repeating one after the other, and where one could fairly easily take out the details of one bay and multiply it, adding for the end walls.

He saw that Mr. Paull stated that the price of the deductions in 14-in. brickwork were about equal to the cost of the doors and windows—pre-war. He remembered in his much younger days going out with a contractor to take out for him some rough quantities for a job for which he was going to estimate. He used to do a little of that class of work simply for the practice of quantities. After spending some time on the drawings, the contractor had come to him and said, "What are all those figures about?" He had explained to him that the brickwork had a large number of deductions of openings of various sizes and that they were not things which could be dealt with quickly. The contractor had said, "There is no need at all to deduct any openings. "All you have to do is to measure up your brickwork with- "out any deductions and put £2 a rod on it, and that will "cover the cost of the doors and windows." He did not know whether Mr. Paull could state whether that led to anything like an accurate figure. That was in pre-war days. It was in 9-in. brickwork.

He had taken out, for the sake of curiosity, some figures on the cottages he had just mentioned, and he found that if the deductions had not been made for the openings, and about £3 had been added to the price per rod of the brickwork, that would have equalised matters.

Mr. Hardcastle had referred to a system of estimating by placing a high price on brickwork, and Mr. Hardcastle's remark had been received with some amount of amusement as though that must be a very inaccurate method. Personally he had not tried it, but in his firm's office they had a large number of drawings which had been done by his grandfather when he had started in practice something

like a century ago, and he had found marginal notes on those drawings of so many rods of brickwork at so much, and then, having taken out the amount of brickwork, and priced his brickwork, his grandfather multiplied it by four as the approximate cost. On turning up the papers and seeing what the actual jobs had cost, he had found that it had been in those days a fairly accurate method with domestic work.

Another reference which Mr. Paull made to the cost of buildings was with regard to the question of what he called "carpet area." Personally he did not know anything about carpet area for estimating building cost except in connection with such things as corrugated iron buildings. In pre-war days certainly the corrugated iron building makers quoted, as an approximate guide to the cost, that a corrugated iron building would cost 2*s.* 6*d.* per foot super. That would be the carpet area method. Within the past week he had been at the Ministry of Health on a matter connected with housing, and he had found there that the carpet method of taking the approximate cost per square yard or per square foot of houses was being used as a comparison, not so much to see whether the tender was a fair price for the house, but to see whether the planning was really economical planning as compared with other plans which had been submitted to them.

Turning to Mr. Done's Paper, he noticed that the author gave a pre-war figure of £300 per acre as the cost of developing. He was not quite clear as to whether that was the cost of road-making only, or whether it was the whole cost, including all the items which the author mentioned at the end of the Paper.

Mr. Done said it was road-making only.

Mr. Chart (continuing) said that, taking the figure for the roads quoted for by Mr. Done, and taking 125 ft. deep on each side, it came out to something like £226 an acre. A rather rough-and-ready means of estimating the cost of road-making only was, on plots of the depth to

which Mr. Done referred, the following: If one took a 40-ft. road and estimated the depths of the plots at 116 ft. on each side, one was then taking exactly 272 ft. super, or a rod of land for each foot forward in the road. It gave one a fairly quick way of estimating what the cost of the road would be per acre.

In pre-war days, in his district, they used to get the builder's road, with sewers, done for something like 25*s.* a foot without kerbs. The prices which Mr. Done gave were approximately the prices which he found current in his own district at the present time. The only thing which did seem to him an extraordinary high price was the price of manholes. He thought £5 a foot a high price for a manhole. The average of prices for a 10-ft. manhole from three different contractors last year was £34 10*s.*, or about 70*s.* per foot. Personally he never took a manhole at the foot in depth. He did not think it was a fair way. He preferred to put a price on the manhole for the top and the bottom of it—which were the two expensive things, the cover and the bottom—and then to take the shaft at an additional price per foot. He considered that a more accurate result could be obtained in that way.

Mr. Done stated that he had not got any price of kerb. Personally he had seen some prices for kerb laid recently; 12 by 6 granite kerb was at present costing, in his own neighbourhood, 13*s.* a yard laid.

The price which Mr. Done gave for hard core was considerably lower than he could get it done in his own district. The prices of roads generally he could not very well compare, because such roads as he had made in the post-war period had been mainly on the districts lying on the chalk hills of Surrey, where the chalk was so near the surface that they did not have to put any hard core on at all; they could get down on to the natural solid chalk, and the construction was very much cheaper.

He desired to add his tribute of thanks to the authors for their Papers.

Mr. A. G. Cross (Member of Council) cordially sup-

ported the vote of thanks to the authors for having prepared their interesting Papers which had led to such an animated discussion. He was rather doubtful himself—and he gathered from the Paper that Mr. Paull also was rather dubious on the point—whether the method of estimating which was being discussed that evening was the only one to which the term "approximate estimate" should be applied. He thought the members' experience had taught them that there was a considerable variation between the amount of even a firm tender submitted upon a bill of quantities and the amount—when it came to the settlement of the accounts—which the building eventually cost. There was a variation one way or the other—generally the other. Again, even an estimate made by an experienced quantity surveyor who priced out the bill of quantities himself was, after all, only an opinion. There was a positive and a comparative method of approximating, and he thought the one which the members were discussing at that moment might very rightly be described as an approximation in the superlative degree.

He did not quite follow Mr. Paull in his hearty support of the method of obtaining an approximate estimate by cubing. Like Mr. Drower, he very much doubted whether that was the best method, certainly in connection with a great many buildings. Many members of The Institution had worked for the Ministry of Munitions, either by serving on or reporting to Committees dealing with the provision of munition factories. In those cases where one was dealing with huge areas and with buildings involving an immense expenditure of money, one's experience was that estimating the cost by taking the number of squares in the area and basing them on a cost at so much a square was the best method. That was in the absence of what Mr. Paull called "rough," or what he himself should call approximate quantities, which he thought was far and away the best method of obtaining an approximate estimate.

With regard to the method of taking out rough quantities, he would like first of all to assure Mr. Burnett Brown that quantity surveyors had no secrets to disclose or accu-

mulated data to publish. Mr. Paull appeared doubtful whether the method of rough quantities was a good one, inasmuch as he did not know what a taker-off should measure and what he should include in a description. In his rough method an expert taker-off would measure everything. If there were any younger members of the profession present who desired advice on the subject, and who were doubtful what to leave out, he would say to them "Leave "out the deductions." An experienced surveyor would make one dimension serve for a variety of descriptions. He would take the rake of the roof, or two rakes, and the superficial area thus obtained would do for the tiling, the boarding, the battening, the felting, and the rafters, cubed at so much per superficial square. The length of the ridge would provide for three or four descriptions; the length of the hips would provide for half a dozen descriptions; the length of the eaves would provide for another half a dozen. One soon got over the ground in that way.

But Mr. Paull dealt, as he himself did, with estimates made upon a properly prepared set of drawings. That was not where the real problems came in. Mr. Chart had referred to an unfortunate experience of his. He, too, had had unfortunate experiences. A client sought one's advice when he was about to purchase a house. He took one to the house and said, "Before I buy this I want to know "what it is going to cost to convert a bathroom into a "billiard-room, to erect a half-dozen more bedrooms, with-"out which I cannot possibly take the house, to instal a "central heating system, to instal an electic-light supply, "and so on." Then he asked one what it was going to cost. The surveyor in that case being, he presumed, paid for his opinion, was naturally anxious to give one. In the time at his disposal he found it exceedingly difficult to do so. Personally he thought the surveyor would be well advised to say as little as he possibly could on the subject, because of the discomforting reflection that whatever he said would be taken down and used in the future as evidence against him.

Mr. A. E. Baylis (Fellow) said there had been a variety of opinions expressed with regard to cubing For himself he proposed to join hands with Mr. Cross and the other speakers who had said that cubing was not the best method. Cubing was the most common but the least satisfactory method of arriving at an approximate estimate. The more experience one had of approximate estimates the less one would have to do with cubing, and he thought Mr. Paull, by what he left out as much as by what he included, had shown the futility of it for practical purposes to-day. Mr. Paull stated that "cubing meant taking the outside size of the "buildings and . . . . to half-way up the roof," and so on; but what about flat-roofed buildings, or buildings like the County Hall, which had three or four storeys in the roof? Those two types did not fit in with Mr. Paull's definition, and the same kind of "cubing" would not do for those cases. Furthermore, cubing at the present time was very much less reliable than it was before the war. It had been comparatively accurate before the war if one had a fair amount of data, but at the present time, owing to the high cost of building, different standards had been set; that was to say, in order to get a building scheme through at all one had to scale down the standard of finishings and workmanship, and so on, and different architects and clients had different ideas as to where this modification should be made. This made it impossible to take a pre-war figure of "x" pence per foot cube, and to add "y" pence per cent. for the extra cost due to rises in wages and in prices of materials, and then say that $x + y$ was the present price per foot cube for buildings of a certain type. In a certain type of building with which he had to deal the post-war specification had been scaled down by simplification of elevations, omission of glazed bricks in certain positions, omission of wood-block floors, &c., to an extent of about 15 per cent. Therefore one had considerably to adjust one's ideas of the relation of post-war building to pre-war building.

He would give two other examples of the way in which cubing became a wrong method. One was that of an im-

portant building for which tenders had been received. After the tenders had been received it was decided to widen the street at that particular point, and the building was set back and a small slice taken off. The people who were buying the land naturally said, "You are saving something "on the building, and that must be set against the price "to be paid for the land." Their surveyor argued on the price per foot cube, and said, "You are going to save "£10,000." The opposing surveyor, who knew his job, took off and priced out the actual omissions that were to be made, and arrived at a figure of £1,000, and, as he had a correct basis, won his case. Such cases had occurred several times. The other case he had in mind was that of a housing scheme, where the tenders had come in too high. The architect thereupon replanned the cottages, making the halls smaller, and so on, and did actually lessen the cube. The architect showed the revised plan to the builder, who said, "Take it on the cube." He might add in passing that the builder was not going to be paid on the cube; it was going to be measured up, and he would have been paid on his schedule. The plan was referred back to the surveyor, and as a matter of fact instead of those houses being, as the architect anticipated, £50 each less, on actual measurement the figures came out at £50 more. Needless to say the revised plan was not adopted, but the architect had been very much astonished, and to this day was only half convinced that the surveyor had not misled him. The cube certainly did give £50 off the cottages, but the actual work in the replanning, although it made it smaller, increased the value £50 instead.

Mr. Paull had referred to rough quantities. He suggested that in order to get over the difficulty of knowing what to take, the better method was one which had been mentioned by Mr. Chart, namely, the taking of a bay or a slice of a building. He suggested, however, that it could be put to a very much more general use than mere warehouses. It was much simpler to take off correct quantities for a small bay than it was to try and take off rough quantities for the whole lot, and after adding for end walls and sanitary work

and special features, one got a much better result than from either cubing or rough quantities. But when one had made an approximate estimate of that type, one should tell the architect quite definitely what had been included in the estimate, so that when the job went on, and the architect came to work out the details, he would remember that he had an estimate, and that if he were to avoid exceeding it he must keep to something like the work the surveyor had visualised when framing it. If the architect were given detailed information like that and told what he had to work to, there was not very much likelihood of his putting in his own fancies and running up a building which would cost very much more than the approximate estimate.

Mr. Paull had referred to a vital question in dealing with the subject of payment for work done, which involved the time factor. The question of whether a client was going to allow two hours, or two days, or two weeks, for making an approximate estimate was of considerable importance. An estimate for which one could take a week could be based on a much better method than one which was done in two hours. The question of payment for approximate estimates was of some importance. One did not go to a solicitor and say, "Will you give me an opinion (*i.e.*, an "approximate estimate) as to whether I stand any chance "of winning this case? If I decide to go on I shall not "pay you for the approximate estimate, but I will pay you "for the time you spend in court." Yet that was exactly what the surveyor was expected to do. He was expected to advise a client, often without any payment at all, unless the job should by good fortune happen to go on.

The only other point he desired to deal with was Mr. Paull's reference to post-war costs, which he put as $1\frac{3}{4}$ times over pre-war cost. Mr. Done's figure was $2\frac{1}{2}$ times. His own view was that that was too high. Allowing for the lower standard by scaling off finishings and that kind of reduction in costs, he thought probably 100 per cent. for the same type of lower standard was nearer the mark. If one wanted a building of exactly the same type, of the same materials and the same quantity of finishings, then he

should put the figure at 125 to 130 per cent., remembering that prices have hardened during recent months.

Mr. William Woodward (Fellow) said he had the advantage, or disadvantage, of not having read the two Papers which had been prepared by the authors. Therefore he would confine the few remarks which he had to make to what had been said that night and to his own experience.

Speaking as an architect he must first repudiate the soft impeachment which Mr. Drower had made, that he had found an instance where a tender had come in much less than the architect expected, and that if he had known it he would have put in more work.

When Mr. Hardcastle had said that cubing held the field, he had been almost disposed to jump out of his seat. One prepared a set of drawings and one got out a scheme, so far as one knew in accordance with the client's ideas, and the client said, "Now, Mr. Architect, I want you to give me just a "rough idea of what this house is going to cost." He had said over and over again that there was no such thing as a rough idea of how much the building was going to cost; and the most fallacious way, to his mind, at arriving at the probable cost of a house was by the foot cube. Supposing one desired to erect a house and one wished to found one's estimate on an identical building already erected. For example, suppose a house cost £4,000, and a client came and said, "Here is a house costing £4,000. I want a similar "house, not quite the same. I want three or four bay windows, "an oak staircase, oak panelling, and so on; how much would "it cost?" and suppose, during the interval between the first house and the second, a policy of ca' canny has arisen, and instead of laying 400 bricks a day a bricklayer laid only 20. Where was one's estimate? His method of procedure was as follows (a young practitioner dared not do it, but an older practitioner could): He told the client distinctly, "If "you want a real idea of what this building is going to cost, "you must employ a quantity surveyor; first, roughly to take out the quantities, and you must pay for that." In the event of the client saying that he could afford to put the

building up, he should be told at once that he would have to pay for those rough quantities. He ventured to tell young architects not to be afraid of telling their client that if he wanted a real estimate he must have the quantities properly taken out, that if he accepted a tender it was all right, but if he did not, and did not go on with the job, he must clearly understand that he must pay the quantity surveyor his full charges.

With regard to arriving at approximate estimates, he remembered years ago his quantity surveyor (who was now where all quantity surveyors went) used to give a rough idea of a warehouse by the number of rows of brickwork, squares of flooring, &c., and did arrive at somewhere near the probable cost of the building. Old George Myers had been a builder of churches. A vicar would go to him and say, "Now, Mr. Myers, how much is this church going to "cost?" Myers would take his 2-foot rule, put it here and there across the drawings and reply, "It will cost you "£25,000," and he then entered into a contract.

The best way was to advise one's client, if he really insisted upon getting an approximate estimate, that he must go through the process of a rough estimate first—to be paid for by him—and then have the quantities properly taken out and accept the lowest tender. That was the proper way to do it, and he knew of no other.

The vote of thanks was then put and carried with acclamation.

Mr. Paull, in reply, thanked the members very much for their vote of thanks. At the same time he could not but feel a little disappointed that the points which he had mentioned in his Paper had not been taken up quite so much as he hoped they would have been. Doubtless that had been due to the good example set by Mr. Woodward, who had admitted that he had never read the Papers.

Mr. Woodward had criticised him for stating that cubing held the field. If his critic could persuade his brother architects to prevail upon their clients to pay

properly for approximate estimates, then he could assure him that cubing would go out of fashion; but until that Utopian ideal was reached, namely, that the quantity surveyor should be paid for all the work he did, he was afraid that Mr. Woodward would still find that cubing would hold the field because of the less time and the less amount of work one had to put into it. Apart from that, however, with all due seriousness, surveyors had to put the best of their powers into the opinion which they were asked to give, and he suggested very strongly that the methods which he had put forward were those which would help them to do that.

He had been very much struck by the fact that no sooner had his name appeared in the *Journal* as about to read a Paper on "Approximate Estimates" than he was rung up by one of the younger members, who had said, "You "are giving a Paper on 'Approximate Estimates'; can you "tell me what price per foot cube to put on a stone-faced "building which is going to be erected for flats?" He had thought to himself that if that was the kind of conundrum he was going to get, the less he had to do with figures the better. That was the reason why he had more or less shelved any idea of going into figures—for, as Mr. Woodward, Mr. Baylis and others had explained, present-day costs bore no relation whatever to pre-war costs. He would like to correct Mr. Baylis on one point. Mr. Baylis had spoken as if his (Mr. Paull's) $1\frac{3}{4}$ times was above the old estimate, whereas he had really meant it to be taken as 75 per cent. above the old cost. Mr. Done had mentioned something like $2\frac{1}{2}$ times.

With reference to Mr. Drower's remarks as to the choice of the subject, he (Mr. Drower) would doubtless recollect that Mr. Goddard brought up the subject of the Paper at the Quantity Surveyors' Committee, saying that the Council much desired a Paper on "Approximate Estimates," and the Committee had been asked to advise as to who should be asked to prepare such a Paper. Unfortunately the Honorary Secretary had looked at him, and, in response to requests from his colleagues on the Committee, he had at

last consented to do his best, and they had before them that evening the result of his efforts. He thanked the members very much for the kind way in which they had received those efforts. If his Paper proved of use to any of the younger members of The Institution, he was more than repaid for any trouble which he had taken in its preparation.

Mr. Done, in reply, said it was interesting to him to find that the experience of his brother surveyors was practically the same as his own. All that he was going to say at the moment was that he hoped that all those whom it might concern would take note of the fact that it was going to cost about £750 an acre to develop building land if it was going to be kept up to the pre-war standard; and if it was going to cost £750 an acre to develop building land, he did not know who was going to do it. He was quite sure the private owner would not do it.

When the paring down of estimates for houses was being discussed, he hoped somebody would exercise a little commonsense and pare down estimates for roads and not compel people to put down acres of paved roads where grass margins would do just as well. It was worth remarking that when the Hampstead Garden Suburb commenced its operations, the first thing it did was to get an Act of Parliament to set aside the local by-laws. If they had not done so, the Hampstead Garden Suburb would not be the attractive place it was to-day. Authorities, whoever they might be, would do well to take note of that fact, to remember the difficulties there were in developing building land, to make their treatment as lenient as possible, and to make things as easy as they could to enable those operations to be carried out.

The following written communication has been received from Mr. A. W. Davson (Fellow):—

Approximate estimating is, as Mr. Paull points out, responsible work, and a successful development of any scheme,

together with the reputation of the architect and surveyor, are bound up in it. If a scheme does not mature, it is largely an unremunerative occupation. Therefore the aim must be, consistent with obtaining the greatest possible degree of accuracy, to be involved in the least amount of work.

The author says, in the last paragraph on page 104: "To attempt to make a schedule as to the prices for various "classes of buildings would, in my opinion, be absolutely "misleading and valueless," &c.

In the previous paragraph he says: "It is only experi- "ence and comparison with the actual costs of similar class "of work which can be a safe guide."

I gather from this that he does not believe in "bald" schedules, but that he does believe in comprehensive data, or, in other words, in comprehensive schedules, which cover the many points in some form to which he refers.

He would appear to place his reliance more on "intuition" than anything else, and I myself have seen some extraordinary results from this source. The majority of us, however, cannot rely on intuition, whilst I fear it would be a worse trap to the beginner than a rule-of-thumb method or tabulated schedules.

I do not think we can base the value of any method upon its value to the beginner. All we can do for him is to give him the opportunity to make his errors where they are least harmful to practical work.

When we talk of experience it is really nothing more than that part of information collected in the progress of time, as we ourselves gain knowledge which we consider it worth while to store in our minds or elsewhere as valuable for future reference.

In connection with the matter under discussion, experience finds expression on paper in tabulated schedules of approximate costs, dead matter in themselves, but invaluable to those who know how to utilise them.

I am a tremendous believer in records, and have had some experience in sources of work other than those under discussion of their value and necessity.

This experience proves that there is no limit to the value of data properly sifted and collated. On the other hand it brought home that the compilation and keeping of records in this workaday world must be reduced to the minimum possible and yield the maximum results for the time spent upon them.

Individual surveyors will probably vary in their methods of cubing a building, or in their other methods of arriving at the approximate cost; this for their own purposes matters little provided they maintain the same method of cubing and of arriving at the price a foot cube, &c., consistently.

Quantity surveyors by the nature of their work must be systematic, and it is assumed that the larger firms gradually accumulate a large amount of data which is properly recorded, and enables them to give approximate estimates with a high degree of accuracy.

But the work of an individual or an individual firm is negligible when compared with the work of a great industry such as the building industry, of which we are all members; and amongst architects, quantity surveyors and contractors there must be a wealth of information on approximate estimates which goes to waste.

I venture to make a suggestion therefore. Valuable information will arise out of this discussion, and more valuable information can be obtained on the methods of cubing and the price per foot cube, and other methods of approximate estimating, by a considered *questionnaire* issued through The Institution to the quantity surveyor members, and perhaps through the Architectural Institutions and Master Builders' Association to their respective members.

I suggest that replies to the *questionnaire* be sent, with the consent of the Principal, to Mr. T. P. Bennett, F.R.I.B.A., the Northern Polytechnic Institute, Holloway, and there collated, sifted, and tabulated.

My point in this is that in all matters of records it is the preliminary work that requires much careful thought and investigation.

Just when you are satisfied that you have got down to it

some new light is thrown upon the subject from another source which upsets the whole scheme of things.

It is remarkable, however, how gradually, as reliable data increases, a general principle shapes itself, and a form evolves which remains the same in principle, though in detail it must be capable of variation to ensure its full value. It is extraordinary how much can be eliminated that was originally thought to be absolutely essential.

My view is that in time, therefore, we should get a form which would cover all the data normally required. Such a form could then be circulated to members, and those who cared could fill in all or some of the results of their year's work, which would again be collated by the students of the school, and eventually a handbook could be published to the members of wide range and extraordinary value.

I say advisedly those "who care," for there is always a class of opposition to such work, which takes the view that the effort is not worth it, or that to give the information would be to give others knowledge at their own expense. They always end up by co-operating if the scheme develops satisfactorily, and therefore persuasive effort in the earlier days is waste.

I venture to think that this suggestion fairly covers the point previously referred to in these remarks, namely, that these records must be obtained with the least possible work to those concerned in actual practice and give the best results for the efforts involved.

It will now be asked why I suggest the Northern Polytechnic. I do so because I was struck with the valuable report of the Principal of this school on the cost of building, which was supported by graphs of rise and fall in materials prepared by the students under the supervision of their instructors, and which appeared in the issue of the *Builder* of February, 1923. It shows that under the heading of "Building Statistics" the students, under the skilled supervision of their instructors, are perfectly capable of doing such work, and are enthusiastic in a subject which appears to form part of their curriculum.

To those who wish to realise fully the value of data

clearly compiled he would refer them to the report and analysis by Mr. Bennett on the cost of building competition, which appeared in the *Builder* of 7th and 14th December, 1923, and 11th January, 1924. To those who have to deal with housing schemes in the future, this data, together with the particulars given in Mr. Done's Paper to-night, will be invaluable.

In making the suggestion I have also a further, though more indirect, aim in view, and I may perhaps be permitted to diverge for a short moment and comment on it.

The cry to-day is for apprentices in the various branches of the industry, and it is to the Junior Technical School Polytechnic and others of these schools—I have seen them and have a great respect for their work—that we look hopefully as a source of supply.

If as those fitted to do so rise to a suitable grade or pass to the Polytechnic, they spend some interesting and useful hours upon work which is going to be actually used, and work which the highest grades in the industry refer to as important, it will make these boys feel that their efforts are indeed valuable and valued, and will do much to promote the essential feeling—which the Institute is never backward in promoting—that we are not separate entities, but all part of or connected with a great industry and responsible for its welfare.

This leads me to the second point. We are all members of a great industry ; more important, we are all members of a great community. We are dependent, in the long run, upon the public for our work.

I am going to take from Mr. Paull's Paper two points which he does not mean to be taken together, but which by taking together I hope to bring home a striking truth.

On page 103 he says: "human nature rebels against "paying for 'brain-work,' from which no benefit can be "directly traceable: so we find the words 'approximate "'estimates' have come to the fore."

On page 107 he states: "to my mind even what we call "a 'firm' tender from a builder . . . is nothing more than

"an approximate estimate." This latter is a fundamental truth which should be blazed in large letters in the general press throughout the country. Firms of contractors are often placed by the public in an advisory capacity, and give their approximate estimating fairly and efficiently. I hold these firms, the real building industry, in high respect.

On the other hand there are those, and they will, I fear increase as building enterprise increases, who call themselves builders, who employ plausible agents very often ignorant of building work, who place before prospective clients approximate estimates at a figure at which the work cannot possibly be executed, and, having committed them to build on this basis, bring forward at the end claims for hundreds of pounds of extras, all of which, to put it kindly, show that these firms are utterly incompetent and utterly unconcerned as to their clients' interests when acting in the advisory capacity which they profess.

Clients bitten in this way who have sought and profited by technical advice have asked me "Why do you people "not write to the papers and let us know you exist?" I have explained that as professional men we do not advertise, and have met with the retort that in such a case we deserve to starve. How can the public make use of services which it does not know exist? I should be the last to advocate anything that I believed would lower the dignity of the profession. Quantity surveying, however, is by comparison a young profession. Advertising is in its infancy; it is a young business or a young art, which you will. The days of the cure-me-quick advertisement will soon die, and advertisement will become one of the greatest educative forces in the world.

I am against individual advertisement, but I am in favour of collective advertisement—advertisement as an Institution. I suggest, therefore, that we use advertisement in the sense defined that The Institution advertises in the daily press, telling the public in a straightforward manner what our functions are.

I hope that in time the whole of the learned societies will combine and have a common fund for this purpose, for

only in this way will the professions keep and maintain the place which they should hold in the scheme of things.

Builders—I care not who they are—should not be placed, as they so often are, through no fault of their own in a position where they have to act in an advisory capacity.

If we take the steps suggested and advertise circumspectly I think it will not be long before the Utopian dream of the author is fulfilled, and that there will be bills of quantities for every building scheme properly prepared and cheerfully remunerated.

CORRIGENDUM.

By a regrettable oversight an error on the part of the printer was overlooked in the report of Lord Bledisloe's speech at the Ordinary General Meeting on the 7th January.

In the discussion on Mr. Thring's Paper "Economics of "Estate Management" the well-known classical quotation at the top of page 80, Vol. LVI., of the *Transactions* issued with the February *Journal* should read:—

"*Tempora mutantur, nos et mutamur in illis.*"

PAPER 482.

ECONOMIC EFFECTS OF THE HOUSING SUBSIDY AND THE RENT RESTRICTION ACTS.

By J. Calvert Spensley, O.B.E. (Fellow).

To be read at the Ordinary General Meeting of The Surveyors' Institution on Monday, 10th March, 1924.

Special interest attaches to the two phases of the Housing Question, "Rent Restriction" and "Subsidies," in that they are the subject of direct statutory enactment, and are therefore capable of being guided by expressions of opinion and policy. In this sense they differ from other factors which, though they may have a more important effect on housing, are largely outside the control of legislative action, such as wages, cost of materials, increases or decreases of population, migration, trade, &c. Among these nothing perhaps has so important an effect upon the demand for houses as the recovery in the rate of increase of population since the war, while the limitation of labour in the building trade and the persistence of high prices for building materials are predominant factors affecting the supply of houses.

The various points arising are considered under the following heads:—

(A).—GENERAL CONDITIONS—

1. House shortage;
2. Building costs;
3. The bearing of house shortage and building costs on rents.

(B).—HOUSING SUBSIDIES—

4. Particulars of subsidies;
5. General considerations relating to subsidies.

(C).—Rent Restrictions—

6. Rent restriction legislation;
7. Financial position of landlords of protected houses;
8. Rents and prices of uncontrolled houses;
9. General effect of rent restrictions.

(D).—The Future.

(A).—GENERAL CONDITIONS.

1. House Shortage.

It is hardly necessary to discuss at any length the circumstances which have led to the shortage of dwelling-houses, but it is well to bear in mind the chief causes. In normal times periods of building activity have alternated with periods of building depression, the movement being followed by a converse movement of empty properties. In Greater London the volume of new building, which was high in the period 1898 to 1909, reached a maximum of over 27,000 in a year; it had already fallen to 13,000 when the land value duties legislation was introduced in 1909 and 1910. How far that measure directly or indirectly hastened the fall, and how far the fall was the natural consequence of a high proportion of empty properties, it is not necessary to discuss, but in 1912, 1913 and 1914 the yearly output was only 8,000. Whether with the decrease in empty houses the normal reaction would have begun to take place in 1914 cannot be told, because the war involved the virtual cessation of house building.

A series of figures showing the trend of building activity since 1871 is given in the Appendix (page 172), together with other figures having a bearing on house production. The table was originally compiled for a Paper for the Royal Statistical Society in January, 1918, and I have added as much later information as is available from various sources, and have revised the index numbers of wages and prices, adopting 1914 instead of 1900 as the base.

Various estimates have been made of the true shortage—

estimates which naturally vary according to the assumed requirements. In January, 1918, I put the number of new houses required for Greater London in the four years to April, 1921, at 53,500, namely, 36,000 working class tenements and 17,500 non-working-class houses (300,000 rooms). Compared with this figure, the largest number of new houses built in Greater London was about 27,000 in 1899 and again in 1901. Thus, although the prospect at that time was serious owing to the limited building, it was not alarming, the estimated requirements being equal to only one-half of the number of houses built in the four years during the period of maximum production (105,000 in the four years 1899 to 1902). It is now known that the actual number of houses erected in the four years 1916-20 was less than 3,000, the numbers in 1921 being 10,000 and in 1922 18,000.

As regards the present-day shortage no definite figure has been stated officially, but in order to have some idea of the magnitude of the problem it may perhaps be said that 50,000 new houses and tenements would meet the immediate needs of Greater London apart from the slum clearance requirements.

According to the census of 1921 the number of houses containing dwellings in Greater London was 1,174,852, the number of structurally separate dwellings being 1,317,357. (In this and in other instances figures for England and Wales are not available.) The number of families in Greater London was 1,822,625, the number of rooms occupied by them being 7,328,359. Assuming the shortage to be 50,000 dwellings, an addition of 4 per cent. to the existing accommodation would appear to meet the immediate requirements.

There is, of course, more than one way of making good the deficiency of housing: the direct way of building new houses of the kind for which there is the greatest demand, and the less direct way of utilising to greater advantage existing house accommodation preferably by converting large houses into self-contained flats and suites. This latter process has been proceeding rapidly in London lately, especially in the borough of Kensington, followed by Hamp-

stead, Paddington, Lewisham, Westminster, and Wandsworth.

Borough.	Number of Houses converted.	Number of Flats resulting.	Rateable Value of the Houses.	Rateable Value of the Flats.	Increase.	Increase per cent.
			£	£	£	
Kensington ...	567	1,873	56,271	106,182	49,911	89
Hampstead ...	344	864	25,467	46,470	21,003	82
Lewisham ...	196	537	8,964	16,133	7,169	80
Paddington ...	181	555	18,790	30,557	11,767	63
Wandsworth ...	140	373	7,306	12,256	4,950	68
Westminster ...	56	258	13,065	19,611	6,546	50
19 other boroughs	779	1,878	41,629	60,385	18,756	45
	2,263	6,338	171,492	291,594	120,102	70

In thirteen recent cases where the houses were converted into 56 flats, the total rack-rental value of the unconverted houses was £1,833, while after conversion the total inclusive rental of the flats, including rates, house duty, water, and in some cases services, amounted to £9,560, the rateable value comparable with the old value of £1,532 being £4,074, or more than $2\frac{1}{2}$ times as great.

The cost of conversion varies greatly; in some cases the house has been divided into an upper and a lower part with the least possible amount of structural alteration, but in others the house has been largely reconstructed. Generally the effect of conversion has been to secure high rents, which ought to show a very good return on the cost of conversion. In certain cases, however, where conversion took place in the period of very high building costs, the ultimate financial results will probably not be wholly satisfactory, especially having regard to the fact that converted houses do not seem to find a ready sale.

2. Building Costs.

The second important factor in the consideration of the question is the abnormally high cost of building. There is, I believe, no authoritative statement showing the variation in cost for any long series of years. Apart from its current

interest it would by very instructive, in years to come, if there were in the *Journal* of The Surveyors' Institution a contemporary record of the extraordinary changes in the cost of building during the decade 1914-15 to 1923-24 for various standard types of buildings. In the meantime the figures set out in the table below are available. They relate to the average approved tender prices submitted to the Ministry of Health in the months mentioned for two of the standard post-war types of houses (Third Annual Report of the Ministry of Health, p. 43, supplemented by the courtesy of the Ministry). On examination it will be seen that the figures are not a satisfactory index of anything more than the broad tendency of price changes: the districts, and possibly the specifications, must have varied to some extent as well as the prices.

	A Type (4 Rooms).					B Type (5 Rooms).				
—	1919	1920	1921	1922	1923	1919	1920	1921	1922	1923
	£	£	£	£	£	£	£	£	£	£
January ...	—	782	834	494	346	—	856	932	560	373
February ...	—	798	824	494	367	—	932	878	518	373
March ...	—	817	700	436	364	—	919	838	513	406
April ...	—	817	697	395	355	—	914	798	446	390
May ...	—	855	697	392	368	—	953	813	422	371
June ...	643	860	693	382	341	785	972	792	419	410
July ...	713	870	665	378	365	833	955	752	413	412
August ...	757	875	612	370	351	852	956	707	407	405
September	800	881	594	349	352	868	949	659	398	388
October ...	750	888	573	346	358	834	958	667	407	416
November	735	859	577	332	387	822	960	661	387	435
December	744	841	514	346	410	837	943	566	387	465

The A-type houses in general comprise living-room, scullery, bathroom, and three bedrooms, and the figures include the cost of drains, paths, fences, &c., but not land, roads, or sewers. The B-type houses have in addition a parlour.

The corresponding price of a pre-war house built to a typical specification does not appear to have been calculated officially. Comparison between the cost of pre-war and post-

war cottages may be made in the case of the London County Council's 1914 and 1919 cottages on Old Oak Estate and the 1922-23 cottages at Roehampton. Unfortunately figures relating to the 1924 cottages for Downham are not yet available. The post-war cottages mentioned are the simplest post-war types, but they possess amenities which the pre-war cottages lack, and a reservation is necessary in comparing the figures :—

—	Buildings Only.			All-in Cost.		
	3 Rooms.	4 Rooms.	5 Rooms.	3 Rooms.	4 Rooms.	5 Rooms.
	£	£	£	£	£	£
1914 (Old Oak) ...	220	269	317	271	338	401
1919 (Old Oak) ...	620	784	895	712	837	1,032
1921 (estimated) ...	774	980	1,119	890	1,071	1,290
1923 (Becontree) ...	432	489	529	510	572	617

The highest cost incurred by the London County Council in building cottages related to the Roehampton Estate in April, 1920, namely, three rooms £1,297, four rooms £1,531, and five rooms £1,702. The cost of building was estimated at the time to be about 3½ times the pre-war cost, but the high cost was also due to the improved type of cottage, which was responsible for an increase of from one-third to one-half in the cost of the best pre-war type cottages. The 1922-23 contract prices were estimated to be approximately 80 per cent. above pre-war prices.

A comparison of the increase in the cost of houses, with the corresponding increase in wages and price of building materials, cannot be made with exactness, but, so far as a comparison is possible, there does not appear to be any clear indication that there has been any large extent of "going " slow " at the present time as compared with pre-war.

With the greater demand for cheap building it is remarkable that, in spite of the impetus given by war to inventiveness generally, house building has been left with no satisfactory substitute for the hand-laid brick. While

it may be admitted that centuries of building have evolved a standard brick perfect in shape, size and weight, it is, after all, designed for hand labour, and machinery and mass production have as yet hardly touched the problem of the provision of dwelling-houses. Herein the economic principle of "substitution" seems to have failed in practical results.

3. The Bearing of House Shortage and Building Costs on Rents.

The relative bearing of house shortage and building costs upon the question of rents is fairly well recognised, and it is almost unnecessary to say that increases or decreases in the rent standard are not necessarily caused by increased or decreased cost of building, but that an important factor is excess or deficiency of demand in relation to supply. Thus, if after the war families had decreased in number or in size, or if owing to a decline in trade or for any other reason there had been a falling off in population resulting in a large number of empty houses, it is obvious that there would have been no great increase in rents even though the cost of building were twice or three times the pre-war cost.

Building costs are, however, very important in relation to rent, because, with a great demand for houses, the economic tendency is that there will not be a supply to meet the demand unless a price is forthcoming (or a periodical payment by way of rent) which will recoup the builders for the expense of production. As wages and the prices of building materials are still high, the cost for which houses can be supplied is also still relatively high, and builders will not build except for intending purchasers, who, in relation to the rent-paying portion of the community, are comparatively few. Houses are not built for letting because the economic rent at which such houses could be let, though greater than the rents of the existing houses protected by the Rent Acts, would not be high enough to be remunerative.

In normal times the cost of building has an important bearing on rents in the direction of checking excessive

rents, because rents cannot for long exceed the equivalent annual cost of building a house. In other words, economic rents cannot for long remain higher than remunerative rents, since, if excessive rents are charged, capital (which is fluid) will flow into the building industry and demand and supply will tend to bring about the normal. The normal at different periods would not be the same, *e.g.*, pre-war and post-war; but once normal conditions are established, one gets what has been described as something comparable to the sea with its differences in level, sometimes small, sometimes great, as those caused, for instance, by storms or a seismic wave, but always with a tendency to an average level. At the present time, however, normal has not yet been reached, and the cost of building as a factor in checking excessive rents is virtually out of action.

It may be well to make clear the meaning in which the term "remunerative rent" is here used in relation to "economic "rent." The latter term denotes the rent which would be obtainable if there were free competition. Remunerative rent is the annual sum which, after meeting annual outgoings, gives a fair return on the capital sum invested. At the present time remunerative rent is falling towards the level of economic rent. Normally economic rent and remunerative rent tend to coincide.

What has happened not only in London but throughout practically the whole country is that the demand for house accommodation has exceeded the supply, the demand being greatly affected by increases, both in the number of families and in the proportion of adults in the population, while the supply of houses has been greatly affected by the abnormal increase in the cost of building. Such conditions lead inevitably to the position where rents can be increased out of all proportion to the deficiency of houses.

The increase in the actual and potential economic rent of the smaller properties is also due to the fact that persons have had to reduce their standard of living and go into houses smaller than those they occupied before; this has necessarily increased the pressure on the smaller houses.

(B).—HOUSING SUBSIDIES.

4. Particulars of Subsidies.

The fourth Annual Report of the Ministry of Health describes the private builders' subsidy of 1919 as follows :—

> "This scheme was authorised by the Housing (Additional Powers) Act, 1919, and provided a subsidy by way of a capital payment to persons erecting houses of a size not in excess of 1,400 feet superficial area. The amount of the subsidy, which varied slightly according to the size of the house, was at first £130–£160 for each house. This amount was increased for houses commenced after the 1st April, 1920, by a further £100. The Act of 1919 expired on the 23rd December, 1920, with a limited provision for payment of a reduced grant in respect of houses finished not later than the 23rd April, 1921. Builders were invited to proceed with further houses, on the assurance that further legislation would be introduced, and effect was given to this undertaking in the Housing Act of 1921, which became law on the 1st July, 1921, and authorised the continuance of the subsidy for houses completed not later than the 23rd June, 1922. As part of the limitation of the Government's commitments in regard to housing, the subsidy was limited to houses commenced not later than the 1st July, 1921 (or, under certain conditions, not later than the 25th August, 1921), and the scheme came to an end in June, 1922. Under this scheme the total number of houses provided was 39,181, the total amount of grants made being £9,496,680, and the average grant per house £242."

The corresponding number of houses erected by local authorities and public utility societies through assisted schemes under the Housing Act, 1919, was, up to March, 1923, 159,002, the total to which these schemes were limited being 176,000, or 215,000 houses in all.

A second system of housing subsidies was instituted under the Housing Act, 1923. In this case the administra-

tion of the subsidies is undertaken by the local authorities under the direction of the Government instead of by the Government direct, but the State contributes £6 per annum for twenty years which is equivalent to a capital sum of £75, which the local authority can supplement out of its local resources within limits sanctioned by the Ministry of Health. The subsidies are payable only in respect of one-storied houses of 550 to 880 square feet, or two-storied houses of 620 to 950 square feet. The scheme as worked by the London County Council provides for grants—

(*a*) to a purchaser of a new house for his own occupation £6 a year for twenty years, or a lump sum of £75 to owner-occupiers of new houses;

(*b*) £9 a year for twenty years for a two-bedroom house (£8 a year for a larger house) erected and maintained for letting at weekly rents. An extra 5 per cent. is payable in respect of more than 100 houses provided by one agency, and a further 5 per cent. where the number exceeds 300.

The subsidies are payable only in respect of houses completed by 1st October, 1925, or at latest by 1st June, 1926.

More stringent conditions apply to the new subsidies than to the old, and the equivalent capital subsidy is substantially less, namely, between £75 and £103 per house.

In the event of the Ministry of Health being satisfied that private enterprise cannot by itself meet the shortage of houses, the same State subsidies are paid to local authorities who build houses which conform to the same conditions.

Encouragement to house building by private enterprise is also offered in other forms of quasi-subsidies including:—

(*a*) Loans to builders;

(*b*) Guarantees of loans advanced by building societies;

(*c*) Loans to owner-occupiers of small dwellings;

(*d*) Grants of building leases on housing estates at reduced terms;

(*e*) Purchase by the London County Council of agreed proportion houses erected by private enterprise on terms settled beforehand.

The Act of 1923 includes another plan, namely, partial exemption from rates in cases where houses have been converted into flats, rates being charged on the value of the house before conversion. This plan has not been adopted in London, and reasons are not far to seek :—

(*a*) The profits from conversion are sufficiently great not to require direct or indirect subsidies from the rates ;

(*b*) Direct tangible subsidies are preferable to disguised reliefs.

The importance of the question in London is indicated by the particulars, given in Section 1, "House shortage," which show the high rents obtained for converted flats.

5. General Considerations relating to Subsidies.

Building subsidies might be defended as a means of relieving a temporary acute shortage of houses ; they would appear to be inevitable when the shortage is acute at a time when the cost of building is falling. With the cost of building still 80 to 100 per cent. above the pre-war cost, and the rate of interest 1 point above the pre-war rate, rents, to be remunerative, need to be at least 110 to 130 per cent. above the pre-war standard ; but if, as is generally expected, building costs fall in the near future, rents, even on the above standard, would not be remunerative since they would not provide for the loss in capital value, nor would they be maintainable permanently at that level.

It has been suggestad that building costs will become stabilised at about 50 per cent. above the pre-war standard. On this basis, and assuming that the rate of interest becomes stabilised at $\frac{1}{2}$ above the pre-war rate, rents to be remunerative would need to be about 60 per cent. above the pre-war standard ; and when normal is reached, the rents of new houses may be expected to hover around this point.

With a prospect of a fall such as this, the provision of

dwelling-houses for letting is clearly not a sound investment at the present time, and it is in these circumstances that subsidies, in some form or other, appear to be the only possible way to secure the building of houses for letting.

The position, cleared of minor considerations, may be roughly indicated by the following hypothetical figures :—

—	Pre-war.	Post-war.	Recent.	Present.	Stabilised.
Increases on pre-war cost	—	+150%	+100%	+75%	+50%
Assumed cost	£400	£1,000	£800	£700	£600
Rate of interest	6%	7%	7%	7%	6½%
Net income required ...	£24	£70	£56	£49	£39
Repairs and management	£6	£15	£12	£10½	£9
Remunerative rent ...	£30	£85	£68	£60	£48
Increase on pre-war rent	—	+183%	+127%	+100%	+60%

If a house erected at the present time for £700 to £800 could be erected in three years' time for £600, the granting of a subsidy of £75 to the owner-occupier means that he is receiving from the State one-half of his prospective loss. He, however, gets the house he needs.

Where a subsidy is paid in respect of houses built to be let weekly at rents 40 per cent. above the pre-war standard, the subsidy is required not only to meet the prospective fall in capital value but also to compensate for the possibility that to be remunerative the rent of new houses would need to be stabilised at 60 per cent. and not 40 per cent. above the pre-war standard. These considerations would seem to justify the differentiation in the subsidy as between the owner-occupier's subsidy of £6 per annum for twenty years and the subsidy for houses for letting, amounting to £9 or £9 9*s*.

From the point of view of the rent-paying community, it is worth a very great deal to secure that the supply of houses shall be sufficient, for unless this is done, and done quickly, there must inevitably be a further raising of the rent standard of existing houses possibly combined with a lowering of the standard of housing accommodation. Already many occupants of State-assisted houses are finding it more

and more difficult to pay the rents of the houses with the improved amenities, and are clamouring for transfers to the old-type houses because the rents are lower.

A number of objections to building subsidies may be advanced. The Institution retains a living memory of the objections raised by Lord Bledisloe at the January meeting of The Institution in regard to reliefs to agriculture. The problem as it affects house building is, however, different; building subsidies are not likely to find builders lacking in backbone or resourcefulness, nor to become unbusinesslike.

On general principles one effect of housing subsidies might be expected to be to keep up the high cost of building materials and wages and to increase profits without increasing the production of houses to the extent necessary to provide a free margin. In the present instance both the employees in the building trade and the producers of building materials are in a strong economic position to secure high wages and prices, and there is a very real danger lest the country at large will pay heavily before normal conditions are restored. The restoration of the balance between supply and demand is, however, an urgent national problem which requires to be solved without delay, and whatever the cost may be, political considerations may sweep away all economic objections.

In administering the subsidies the London County Council and certain other local authorities have endeavoured to avoid some of the pitfalls by seeing that the price paid for the house is reasonable and by limiting the subsidy to persons who could not in the ordinary way afford to build houses. By these methods it is possible for such a person to borrow 90 per cent. either through a building society, under a county council guarantee, or by an advance under the Small Dwellings Acquisition Act, and also in the case of a new house to obtain the subsidy.

While the effect of this policy is to increase the number of houses, it has also the effect of involving in the inevitable losses on houses a class of the population not really able to afford it. Many faced with the impossibility of obtaining accommodation have been forced into purchase, and their

economic resources have been so strained as to leave no margin for luxuries or recreation and a restricted margin for food and clothing. They are also faced with further loss since investors in new houses at post-war prices will lose money unless all prognostications are wrong as regards the trend of building costs.

It is possible that the offer of subsidies to builders in present circumstances may not have any material effect on the production of houses. Builders are at the present time so fully employed in the kinds of building which offer the biggest profits, namely, contract building and building for sale, that they may well find it is not worth their while to accept subsidies for building for letting. In this case the scheme of subsidies to builders may give no result, but on the contrary may conduce to local authorities placing mistaken dependence on private enterprise.

None of the subsidy schemes has yet induced builders to provide housing for the classes of the population whose place of residence depends largely on their place of work and whose resources are sufficient only for weekly rentals. It has long been recognised that a large part of any urban population cannot afford to pay the rent of new houses and have always had to be satisfied with "cast-offs." Next in order of economic ability are those for whom housing trusts and to some extent local authorities have provided accommodation, failing its provision by private enterprise. It would seem that in the post-war circumstances it will be necessary for these agencies to extend their sphere of action so as to include a larger part of the provision of small property let at weekly rentals.

(C).—RENT RESTRICTIONS.

6. Rent Restriction Legislation.

It is unnecessary to enlarge upon all the anomalies which have revealed themselves in the operation of the Rent Restriction Acts: it is only necessary for the immediate purpose to be reminded of the general provisions of the system. The Act of 1915 was limited to small dwelling-

houses up to £35 rental (London). The owners were prohibited from increasing rents (apart from rates) beyond those obtaining on 3rd August, 1914. The Act of 1919 permitted a 10 per cent. increase and extended the protection to tenants of houses up to £70 (in London). The Act of 1920 was passed in consequence of demands from tenants for a further extension of the protection afforded by the Act of 1915, and from landlords for relief from the losses which they were suffering. The time limit was extended to the 24th June, 1923, and the scope of the provisions was enlarged so as to include dwelling-houses up to £105 rateable value in London (equivalent to a rack-rent of £126). On the other hand, in view of the increase in rate of interest and the cost of repairs, landlords were permitted to increase the standard rent by 15 per cent. where the tenant was responsible for all repairs, or by 40 per cent. where the landlord was responsible for all repairs. The Act of 1923 extended the time limit to 24th June, 1925, the percentages of permitted increases being retained except that a further 10 per cent. was permitted in the case of sub-lettings. An important alteration in principle was, however, made by the Act of 1923. Formerly it was the house that was protected whether there was a change of tenancy or not ; by the Act of 1923 it was the sitting tenant only that was protected, the house becoming decontrolled on vacation, except where the late tenant had been evicted for non-payment of rent. After 24th June, 1925, any protection afforded to occupiers is to be a matter for the decision by the county court—a policy which, though intended merely to protect occupiers from harsh or oppressive eviction, admits a principle which may possibly develop into a system of rent courts with far wider functions.

Reference may be made to the consideration given to the subject of rent restrictions by Mr. Frank Hunt in the September, 1921, issue of the *Journal*, when forecasting (or rather, as it has been proved, prophesying) the future of rent control. The position up to 1921 is there described and need not be repeated, while questions then discussed are pertinent still.

The justification of the rent restriction legislation originally appears to be that it was part of the Government policy of war-time restriction of prices with a view to limiting profiteering and keeping down the cost of living, and there was above all the political consideration accorded to the rent-paying community which forms the great bulk of the population of the country. The principles underlying the subsequent Acts might be justified by the fact that the situation was to some extent created by the Government itself through the war restrictions on building and the calling up of builders for war work.

That the legislation was deemed to be a political necessity may be judged by the fact that the original Bill was introduced by Mr. Walter Long (now Lord Long) when President of the Local Government Board, while that of 1920 was the outcome of the recommendations of a Departmental Committee of which Lord Salisbury was Chairman.

7. Financial Position of Landlords of Protected Houses.

One of the objections to the particular form of rent restriction adopted is that a fixed percentage does not allow for the wide differences in the circumstances affecting various types of house property. On the one hand landlords who would have been content with an increase sufficient to meet the increased cost of repairs, or who would have arranged a transfer of liability for repairs on terms which would have maintained for themselves an equivalent income, have imposed the 40 per cent. increase as a matter of course.

On the other hand there are many cases where, especially in the case of poor-class property, the flat rate percentage will barely meet the increase in the cost of repairs and the deficit incurred in the years prior to 1920.

The experience of the London County Council in its management of pre-war housing properties may be useful as an example of working-class properties which are normally maintained at a fairly high standard as regards repairs. The properties consist of about 10,000 lettings, the average age being about 20 years.

LONDON COUNTY COUNCIL HOUSING.—PRE-WAR ESTATES.

—	Gross Rental.	Rates and Taxes.*	Net Rental.	Expenses other than Repairs.	Repairs.	Balance of Receipts over Expenses.	Relation to 1914-15.	Surplus or *Deficit.*†
	£	£	£	£	£	£	Index No.	£
1914-15	232,158	41,528	190,630	37,276	22,400	130,954	100	16,471
1915-16	234,161	43,786	190,375	38,890	18,075	133,410	102	13,781
1916-17	233,626	43,461	190,165	39,728	16,647	133,790	102	13,367
1917-18	235,978	46,827	189,151	41,007	13,151	134,993	103	9,934
1918-19	240,813	51,033	189,780	46,440	21,507	121,833	93	7,431
1919 20	252,600	62,585	190,015	51,175	50,798	88,042	67	*8,340*
1920-21	310,958	87,344	223,614	66,735	68,133	88,746	68	*6,572*
1921-22	360,401	92,966	267,435	64,599	57,635	145,201	111	15,163
1922-23	354,914	90,325	264,589	48,654	43,998	191,937	131	36,530
1923-24 (estimate)	353,236	87,989	265,247	52,772	47,062	165,413	126	46,033

* Including income tax other than tax on interest.

† After providing for debt charges and a repairs and renewals fund.

The figures illustrate the course of events since the outbreak of war; a progressive reduction in the volume of repair work put in hand in the years 1915-16, 1916-17, 1917-18, the resumption of work after the Armistice affecting the expenditure in the latter part of the year 1918-19, the overtaking of arrears in 1919-20, 1920-21, 1921-22 during a period of very high prices especially in 1920-21, and an approach to the normal amount of repairs since the year 1922-23 at prices about 80 to 100 per cent. above those ruling before the war.

Rent restriction resulted in actual deficits in the years 1919-20 and 1920-21, but the rent increases permitted by the Act of 1920 have, after providing in the three years together £62,000 for reduction of debt, and £49,000 for transfer to the repairs fund, produced progressive surpluses of £15,000, £36,000 and £46,000 in the last three years. Expressed in terms of new building, the current year's surplus is sufficient to meet the capitalised loss on providing 400 or 500 new houses if the subsidy were receivable. On these lines a new estate could be developed out of the surpluses derived from the pre-war estates. Judging from

this case alone it would seem that fairly good working-class property built before the war should secure to the owner a satisfactory return on his investment.

A similar conclusion may be drawn from a hypothetical case. The permissible increases provided for by the Act of 1920 were based on the Report of Lord Salisbury's Committee which assumed that the cost of repairs pre-war was one-sixth of the rack-rent, that the cost of repairs in 1920 was 150 per cent. above the pre-war cost (the percentage allowed by the Act is really 165 per cent.), and that the rate of interest had increased by one point. Assuming a pre-war outlay of £1,700, of which £1,000 was provided by mortgage, on, say, two £60 per annum pre-war houses, and the present cost of repairs 80 per cent. above the pre-war cost, the position may be illustrated by the following hypothetical figures :—

	Pre-War.	1920.		1923.		1924.	
	£	Per cent.	£	Per cent.	£	Per cent.	£
Rack-rent ...	120	+ 40	= 168		168	+ 25	= 151
Repairs ...	20	+ 165	= 53	+ 80	= 36	+ 80	= 36
Net rent ...	100	+ 15	= 115	+ 32	= 132	+ 15	= 115
Mortgage, £1,000 @ 5%	50	@ 6	= 60	@ 6	= 60	@ 6	= 60
Capital, £700 @ 7%	50	@ 8	= 55	@ 10	= 72	@ 8	= 55

Under the Act of 1923 the owner's income shows an improvement compared with 1914, the reduction in the cost of repairs being sufficient to increase his income by two points in the percentage in place of the one point contemplated in the Act of 1920. Alternatively, using the method adopted by Lord Salisbury's Committee, one point in the percentage could be obtained by an increase of 30 per cent., with repairs 100 per cent. above pre-war (or as little as 25 per cent., with repairs 80 per cent above pre-war), instead of 40 per cent. under the Act of 1923. In fact the increase of only 15 per cent. in the net rent is inconsistent with the

retention of an increase of 40 per cent. in the rack-rent. The increased yield is not, of course, to be compared with the increase in the cost of living; whether it is equal to the yield of comparable investments is another question.

Before leaving the question of the changes which have taken place since 1920, it would be well to point out that the method adopted by Lord Salisbury's Committee was itself open to criticism. It illustrates the danger of working on theoretical figures and applying the result (which, at best, is only an average) to such a matter as house owning, which is subject to wide variations of conditions. Thus, though the Departmental Committee's method works out, as stated above, at a 25 per cent. increase in the rack-rent, if 25 per cent. were in practice substituted for the present 40 per cent., it would possess the disadvantage of a fixed percentage, and would undoubtedly work substantial hardship in a large number of cases, especially in the class of cases (*e.g.*, small properties) where the cost of repairs should absorb a large proportion of the rent.

8. Rents and Prices of Uncontrolled Houses.

While the permissible increases of rent probably, at the present time, produces for the landlord a fair return on his pre-war investments, he is in a less fortunate position by comparison with owners of decontrolled houses and houses which are available for sale with possession. The increased yield shown above amounts to 32 per cent., where as houses are sold with possession at increases of 100 per cent. above pre-war prices.

I had hoped to have been able to obtain a sufficiently large number of examples to arrive at index numbers of prices for a series of years, but the necessary volume of examples has proved to be too difficult to obtain. Roughly it may perhaps be said that a house which would fetch £400 pre-war might be expected to fetch £800 now, if sold with possession. If not sold with possession it might fetch £200 less.

Houses within the rent restriction limits, if free from

restriction, are rarely let, because their sale secures for all time the temporary increased annual value.

It is not easy to arrive at a definite conclusion as to whether rents of houses above the restriction limits have been increased by more than 40 per cent. The circumstances are so varied that general conclusions cannot be shown. Leases of large houses which are outside the limits have in some cases been renewed at rents little larger than the rents reserved under the expiring leases, but these rents are comparable not with the 40 per cent. increase, but with the 15 per cent. permitted when the tenant is responsible for all repairs.

Many of the houses above the rent restriction limits, which became available for re-letting, are large houses which produce a better financial return if converted into flats (see Section 1). This process reduces the possibility of making comparisons of rents or prices.

9. General Effect of Rent Restrictions.

Apart from the possibility of obtaining more than a rough idea of the measure of change in rents and prices, there is a certain question of principle which emerges. Primarily the high prices paid for pre-war houses are not due to the high cost of post-war building (which is generally understood to be temporary); it is due first to the excess of demand over supply, and, secondarily, to the fact that increased supplies can be obtained only at a very high cost. Had it not been for the falling off in house building in the years immediately before the war, and the reduction in the number of empty properties to an unprecedented minimum, the post-war demand for houses would have been met by the filling up of existing and empty houses. The number of empty houses in Greater London according to the census fell from 86,149 in 1911 to 35,923 in 1921, a difference of 50,226 houses. Calculated in another way, the proportion of empty properties in normal times has ranged between 2·8 per cent. and 6·6 per cent.; on a total of 1,317,000 tenements in Greater London this represents a difference of 50,000 empty houses, the difference between 1910 and 1920 being

63,000 empty houses. If a margin of such an amount had been available at the outbreak of the war, it would have rendered the restriction of rent by statute unnecessary.

Property-owners and the professions interested in land are unanimous in their demand that rent restrictions should cease, contending that unless freedom of contract is restored there can be no relief of the housing shortage. Psychologically there is truth in the contention, because the very belief in the contention means that solicitors and surveyors will advise their clients not to invest in building schemes, and the fear of State interference may be sufficient to divert an investor's capital into alternative enterprises. There is also the possibility that where the great bulk of the houses are let at a restricted rent, tenants of new houses would be disinclined to pay for all time rents on a far higher standard. From the point of view of economics, restricting the rents of existing houses, while leaving new houses free from restriction, should have the effect not of reducing but of raising the rent standard of uncontrolled houses (and all new houses are uncontrolled), and thereby tend to make building remunerative at an earlier stage than would otherwise be possible, so long as the demand exceeds the supply.

It has also been contended that the rent restriction legislation has stopped building because the would-be investor has been prevented thereby from securing the rents required to make house building remunerative. There is in this contention a basis of economic principle to which great weight will need to be given as soon as the remunerative rent falls to a point more nearly approaching what may be called the "political rent." In the early days of rent restriction building was restricted as a war measure; and when the time had arrived when house-building was permitted, the price had risen so high that rents to be remunerative would have necessitated (for example) an increase of a weekly rent of 8*s.* to no less than 42*s.* (see *Journal*, September, 1921, p. 124), and even this figure would not have provided for the fall in building costs and capital value which was certain to take place. Such an increase would have been politically impossible, and even if it were not, its

consequent effect on the cost of living would have had a serious economic effect on the cost of production in all industries throughout the country.

The Ministry of Labour's cost of living figure (which is still a factor in many wages agreements) for January, 1924, is 77 per cent. above 1914, the highest figure having been 176 in November, 1920. Included in the calculation is rent (including rates), the increase since 1914 being taken at 47 per cent. The weight given to rent is two points in a total of $12\frac{1}{2}$. Thus an increase of rent of 10 per cent. would increase the cost of living figure by 1·6.

Moreover, it should not be forgotten that while prices of consumable commodities respond readily to influences in either direction the movement of rents is ponderous, so that rents once raised to the high level required for remunerative investment would not react quickly with the change of circumstances.

It has also been contended that rent restriction has been the cause of the position whereby it has only been found possible to build for immediate sale; but it would seem that the position is one of the general consequences either of a falling market or of a deflation of the currency and not to rent restriction *per se*.

Rent restriction would, however, appear to be the cause of the high prices of houses sold with possession in comparison with the prices of those which could not be sold with possession, with the consequent unfairness as between one owner and another. But it is difficult to see how this differentiation could have been avoided except by a restriction of the sale prices, as well as of the rents, of dwelling-houses.

The particular form which the rent restriction legislation took has had a deleterious effect on the mobility of the population. The deficiency of the supply of houses would in any event have tended to restrict movement of population, but the immobility was increased by the provisions of the Rent Restriction Acts, whereby houses which were rented on or before the 3rd August, 1914, were controlled, while other houses and new houses were not; and the

Act of 1923, by decontrolling houses when vacated, has inevitably intensified the difficulty, since sitting tenants will cling to their legal protection which has become almost a vested interest, whereas if they move they lose it. This limitation of the facility with which workmen were accustomed to follow their places of employment and to accommodate their housing to the circumstances and sizes of their families (and it is estimated that before the war working-class families moved once in every three years) is not economically desirable, while it increases the transport difficulties and conduces to overcrowding; but immobility has been caused by the shortage of houses as well as by the operation of the Rent Restriction Acts.

What would have happened if there had been no rent restriction legislation is a matter of mere speculation; politically something had to be done, but no one now quite approves either of the method that was adopted or of the subsequent course of events. At the same time it is not likely that any measure of agreement would have been secured for any other given plan. The hard-and-fast restrictions undoubtedly produced hardships on individuals. Whether a system of rent courts to deal with cases of hardship or unconscionable increases of rent would have produced more satisfactory results is a matter that may still have to be considered if subsidies fail to secure an adequate supply of houses.

(D).—THE FUTURE.

The practical question has entered a new phase with the resumption of private enterprise activity and the possibility of dilution of the building trade. If the result is a rapid increase in the pace of house building, especially if this is accompanied by a decline in the cost per house, it ought to retard the extreme increase in the potential rent standard; that is to say, it may by recognised economic means produce the end which the system of rent restrictions was intended to serve, and at the same time avoid the anomalies which statutory interference with freedom of contract almost

inevitably involves. Whether it can possibly produce the result in time to avoid the extension of statutory rent restrictions after 1925 is another question.

Already the check on building (whether caused by high cost of materials or by shortage of skilled labour) has had a very serious effect on the rent-paying community.

If in spite of subsidies it is not possible to produce houses sufficient in number to show a margin of supply over demand by June, 1925, what will happen? The answer which the economist would give would probably be that, judging from the known factors, there would be an immediate increase of rents, since the Legislature virtually allows an open market in house rents, the only limitation being the county court judge's view of what is "harsh," "oppressive" or "causing "exceptional hardship." The answer which the politician would give is probably influenced by the fact that the great bulk of the electors are protected rent-paying tenants and their wives, and that no party could face an electorate from whom protection was withdrawn before a margin of housing accommodation had been secured.

While, therefore, it is no doubt true that anything that interferes with the free play of economic forces is to be deprecated unless the safety or general advantage of the community at large should demand it, there would seem to be a social and certainly a political necessity for a continuance of rent restriction in some form until the housing shortage is remedied. Conversely it may be said that unless the shortage is well on the way to being made good within a very limited time, there will inevitably be a demand for an extension of rent restriction on lines which may have far-reaching political results.

The conclusion must be that we are too close to the practical working of housing subsidies and rent restrictions to judge of their economic results, and that the subject is not so much part of economics as of politics, and that, for the time being, economic forces are subordinated to political and sociological forces.

APPENDIX.—Movements of Building Activity, Empty Houses, Prices, Wages, &c.

Year.	Additional Dwelling-houses, England.	New Houses, Greater London.	Empty Properties, Greater London.	Price of Bricks (Index No.).	Price of Wood (Index No.).	Wages in Building Trade (Index No.).	Rates Collected, England.	Rates Levied, London.
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9
			per cent.				*s. d.*	*s. d.*
1871	—	8,693	7·3	97	163	—	3 2½	4 7
1872	—	11,179	5·9	106	167	—	3 2½	—
1873	—	7,687	5·0	124	181	—	3 4½	4 1
1874	—	7,764	4·7	106	185	76	3 4	—
1875	73,632	10,023	4·3	97	161	79	3 3½	—
1876	66,004	12,938	3·9	97	163	82	3 3	4 10
1877	98,890	14,410	4·0	97	159	84	3 3½	—
1878	84,202	17,127	4·2	88	139	83	3 4	5 0
1879	85,115	21,589	4·7	74	121	81	3 4	—
1880	73,715	24,945	5·2	79	138	80	3 4½	5 0½
1881	63,579	26,170	5·4	74	139	80	3 5	—
1882	96,892	23,301	5·8	88	143	80	3 5½	5 0½
1883	75,136	21,110	6·9	79	138	79	3 6	—
1884	62,827	18,428	7·7	79	123	79	3 6	5 3
1885	47,406	15,754	7·0	79	119	79	3 6½	—
1886	62,170	12,252	6·6	79	105	79	3 7	5 3½
1887	63,885	12,478	6·1	79	99	79	3 7½	—
1888	71,594	12,426	5·9	79	106	79	3 8	—
1889	75,441	11,829	5·4	79	118	80	3 8	5 3
1890	47,034	10,935	5·0	106	109	81	3 8	5 5
1891	79,188	12,105	4·8	97	100	82	3 8	5 5
1892	54,278	11,200	4·6	97	100	83	3 10	5 6½
1893	34,229	12,830	4·4	88	93	84	4 0½	6 0½
1894	63,686	12,874	4·4	88	89	85	4 2½	6 0½
1895	86,047	13,141	4·2	88	91	86	4 5	6 2½
1896	96,602	16,894	3·6	88	95	88	4 6½	6 2
1897	89,287	18,529	3·1	88	96	89	4 9½	6 1
1898	106,003	24,838	2·9	97	98	92	4 10	6 0½
1899	126,849	27,381	2·8	106	97	93	5 0	6 3½
1900	122,578	25,161	3·0	106	103	94	5 1½	6 6½
1901	117,146	27,174	3·1	97	97	94	5 4	6 9½
1902	108,034	25,480	3·2	88	91	94	5 7½	7 3
1903	118,681	26,420	3·5	88	93	94	5 9½	7 3
1904	115,409	23,269	—	88	88	94	6 0	7 4
1905	129,842	21,970	4·7	86	90	94	6 1	7 6
1906	101,674	21,415	4·7	82	92	94	6 1	7 6½
1907	89,776	19,211	5·3	84	95	94	6 0	7 4½
1908	95,986	13,377	6·0	86	90	94	6 1	7 5
1909	96,251	13,343	6·6	79	86	94	6 2½	7 6
1910	29,532	11,757	5·9	79	87	94	6 4	7 7
1911	89,778	10,027	5·3	79	91	94	6 5	7 8
1912	57,039	8,006	4·7	84	101	95	6 6½	7 7
1913	59,312	8,579	3·9	93	98	98	6 9	7 9
1914	67,577	8,299	3·7	*100*	*100*	*100*	6 10½	8 0½
1915	—	5,549	3·8	119	156	103	7 0½	8 1½
1916	—	3,642	3·8	135	242	120	6 8½	7 8
1917	—	263	3·6	169	296	140	6 10½	7 10½
1918	—	123	3·1	194	291	180	7 8½	8 10
1919	4,879	100	2·1	279	359	215	9 6½	10 1
1920	15,711*	2,112	1·5	360	362	280	13 7	15 0
1921	86,667*	10,408	1·9	—	—	200	14 9½	15 9
1922	83,999*	17,903	2·1	—	—	180	13 3½	13 8
1923	19,185*	—	2·2	224	205	170	12 0½	—
	71,535							

* State assisted only.

Sources of Reference :—

Col 2.—Inland Revenue Commissioners Inhabited House Duty Statistics, 1875-1919. Ministry of Health, 1920-1923.

Col. 3.—Metropolitan Police, 1871-1918. London County Council, 1919-1922.

Col. 4.—London Water Companies, 1871-1903. Metropolitan Water Board, 1905-1923.

Cols. 5 and 6.—Board of Trade (figures readjusted).

Col. 7.—Board of Trade and Ministry of Labour, 1874-1917 (figures readjusted) 1921-1923. Prof. A. L. Bowley, 1916-1920.

Col. 8.—Local Government Board and Ministry of Health.

Col. 9.—London County Council.

AT

THE ORDINARY GENERAL MEETING

Held on Monday, 10th March, 1924,

A DISCUSSION took place on a Paper entitled

ECONOMIC EFFECTS OF THE HOUSING SUBSIDY AND THE RENT RESTRICTION ACTS.

By J. Calvert Spensley, O.B.E. (Fellow).

Mr. J. I. DAVIDSON (President) in the Chair.

MR. SPENSLEY said that the title of the Paper sounded ambitious, and if it promised more than he was able to perform—and he knew it did—he asked the members to place some of the responsibility on the Secretary for asking him to undertake it.

As the whole Paper was printed with the *Journal*, he proposed to follow recent precedents and not to read it in full, nor even to summarise it, but rather to make one or two comments on it.

One of the recognised economists of the day had said that if he were dealing with the subject of building subsidies, he would look at both sides of the fence, but would take care to stay on it himself. Though on some points the Paper was inconclusive, he believed firmly that building subsidies, in some form or other, were absolutely necessary, and therefore right, in the existing circumstances of acute house shortage and a falling market.

On the question of rent restrictions, much as he desired

a restoration of freedom of contract in house-letting, State control, in some form or other, seemed to be necessary until there was a margin of supply over demand, because, owing to the shortage of supply, house-owners were in too strong an economic position in relation to the general public. But if this were true as regards houses, it was also largely true as regards the supply of building materials and building labour.

When he prepared the Paper he little thought that before it was read the subject would have become a practical political issue; yet a new Rent Restriction Bill had passed Second Reading almost before the ink was dry on the Royal Assent to the Act of last Session, and the Standing Committee was due to begin its consideration of the Bill the next day. In those circumstances the discussion would naturally turn on the proposals in the Bill.

The most serious economic effect of the proposed reduction of the permitted increase of rents from 40 per cent. to 25 per cent. seemed to him to be that it would widen the gap between the restricted rent on the one hand and the economic rent and the remunerative rent on the other hand. In a few years' time the remunerative rents of new houses might be expected to come down to 60 or even 50 per cent. above the pre-war rent standard of new houses. The difference between such a rent standard and a rent standard for old houses 40 per cent. above pre-war represented little more than the customary variation in rents in normal times. But the difference between a restricted rent of 25 per cent. above the pre-war standard and a remunerative rent of 50 or 60 per cent. above pre-war was not a gap but a chasm, which could be bridged only by permanent State intervention.

In that connection he desired to refer to a book reviewed in the current number of the *Journal*, namely, Major Barnes's book on housing—because it sounded a note of alarm and opened up a vista of a possible future of State control of housing to which the nation might even now be tending. The author pointed to a possible analogy between housing and education. Education from being entirely a matter for the individual citizen, supplemented to a certain extent by

charity and endowments, had now reached the position of being mainly a charge on the State. Similarly, housing had until quite recently been self-supporting (except for a few charitable trusts such as the Peabody, Lewis, and Sutton Trusts). But in 1919 housing had been accepted by Parliament as a national and onerous service, and already the charge on taxation was very heavy. How much farther the education precedent was likely to be followed was a speculation which went beyond the limits of the Paper, but it would be well to realise what might be a possible outcome of any substantial restriction of the restricted rents standard.

Major Harry Barnes (Fellow) said he felt decidedly "caught out." He had expected to have had at least three-quarters of an hour or more in which to collect his thoughts before expressing them, as he had anticipated that the Paper would have been read. It had not been read, and he had therefore at once to plunge into the discussion. He was happy to think that a time limit had been given to him, and when he saw the celerity with which the hands of the clock moved round, he felt that his task was not so formidable as at first sight it appeared.

Whatever else he could state about the Paper, he could say that he was very much indebted to its author. In the first place he was indebted to Mr. Spensley for the Paper itself, which was an immensely valuable contribution to the particular subject under discussion. That was a debt which he shared in common with everybody, not only in the room, but with all those who had read the Paper. But he was under a particular debt to Mr. Spensley because if he (Major Barnes) was entitled to any credit at all for the work to which reference had already been made, it was only as a kind of stepfather. His book really owed its inception to a very interesting and delightful Paper (if such an adjective could be applied to a Paper consisting of statistics) which had been read by Mr. Spensley in 1918 before the Royal Statistical Society. It had been the reading of that Paper which had given him his first impetus to work upon the sub-

ject. Therefore he was that night in a doubly grateful mood to Mr. Spensley. Those who had the Paper in mind would remember that while its title was confined to the term "The Economic Effects of the Rent Restriction Acts," Mr. Spensley did not hesitate to point out, as he could hardly avoid doing, that the question had ceased to be a purely economic question, and had become in a very large measure a social and political matter.

Those who knew him (Major Barnes) as a surveyor, thought he was better as a politician. Those who knew him as a politician, thought he was better as a surveyor; but he had had a kind of "mix up" of both experiences, and had happened to be, in the course of electoral chance, a member of the last Rent Restriction Committee, an honour which he had enjoyed in common with his fellow colleague Sir Theodore Chambers. He had had an opportunity there of hearing perhaps what was the widest expression of opinion upon the Rent Restriction Acts which had ever been got together. It would be remembered that when that Rent Restriction Committee had met, it had done so after an experience of five or six years of rent restriction. It had also met on the verge of the launching of another Rent Restriction Bill, the one which was operating at the present moment. The opportunity had been taken by everybody in the country who was authorised to speak on the subject, and who had acquired experience and formed opinions upon it, to lay their opinions before that Committee. It did not, in itself, form a Committee naturally disposed towards rent restriction, and the fact that the result of its deliberations had been to bring in a new Rent Restriction Bill was, he thought, in itself sufficient evidence that rent restriction had been felt to be something, at that time at all events, which was inevitable.

He had been brought up in a hard school of economists. He had always been taught to believe in an open market, and in the free operation of supply and demand, and also to believe that any restriction of the operations of supply and demand was, in the long run, bound to be fatal. There could be no more thorough or complete instance of such

restrictions than in the Rent Restriction Bill, because, after all, to the economist, the man who had houses to let was entirely in the same position as the man who had any other commodity to dispose of, and he was entitled to the run of the market to make the best he could of the good times and to put up with the worst of the bad times. Therefore he had never been surprised at all at the strong volume of opinion which had come from householders, from one end of the country to the other, who had felt themselves deprived of opportunities which had been granted to others, of taking not any unnatural advantage, but of securing what the natural operations of the market would have brought.

One could not consider the question at all properly without taking into account the fact that in 1915 there had been almost unanimous consent to the imposition of the rent restrictions; and when one looked a little closer into the question, one could see there were real reasons why rent restrictions should not only have been imposed but should have been continued. He had said that the free play of the market was what the school of economists to which he belonged desired, that there should be no interference with supply and demand; but what they were up against in dealing with the question of housing was that there was not an artificial limitation of supply, but a limitation of supply which had arisen from the course which events had taken during the last six or seven years. In a normal way houses could not be produced as quickly as other commodities. The school of economists to which he had referred believed that no industry could permanently remain more profitable than any other industry; if there were any industry which for a time enjoyed a very high point of prosperity, and in which a great amount of profit was earned, the fluidity of capital was such that capital flowed to that industry, energy, and ability were attracted to it, and, in the normal run, given the free play of the market, things in that industry would get down to the normal level. Prices would fall to average, costs would fall to average, and profits would fall to average. But if it was asked, Why not leave the production of houses

to the operation of these causes? there were at least two answers to be given. The first was that the production of houses was not a thing which could be increased with anything like the rapidity (even apart from exceptional circumstances) with which other commodities could be increased. If one were dealing with clothes, or boots or shoes, or anything like that, it was not a difficult matter to put down plant and to increase the production; but when one was dealing with houses the whole thing was a much slower process. It did not so rapidly adjust itself to market conditions. Apart from that, however, there was the fact that the indispensable condition of anything like an augmented supply of houses was absent. There was not in this country anything like the labour which was required to meet the housing demand. He had taken the opportunity of looking into that matter, and he could best illustrate it perhaps by saying that in the past, out of every ten men engaged in the building industry, not more than one had been engaged in building working-class houses—at the very outside not more than one in eight. The other seven men, if the number of eight was taken, were engaged on maintenance and repairs and on general building, on contracting, and the rest of it. It was stated that those eight men had now dwindled to something like four. He would put it at five, and that was at a time when the demand for houses was doubled. In other words, they were trying to take two men out of five to put on to housing, when in the past they had been content with one man out of eight. The result of that could only be an enormous inflation in costs, and any extension in costs on a free market in housing must bring with it a corresponding increase in rents. As long as rents could be obtainable, therefore, it seemed to him that in the existing circumstances, until they could get the supply of building labour back to the normal, the only result of leaving housing absolutely to a free market would be a tremendous increase in rents from those who could pay increased rents.

That brought him to a very important qualification as to the effect of the Rent Restriction Acts. He thought Sir Theodore Chambers would agree with him that, in the

whole course of the evidence given before the Rent Restriction Committee, there was not a single person, who spoke with any authority, who professed to believe for a moment that, if the Rent Restriction Acts were repealed, any higher rent could be obtained, roughly speaking, from the working classes. That had not been their expectation. Where they wanted the Rent Restriction Acts taken off it had not been in order that they might get increased rents (nobody believed that they could be got at that time), but rather to get control again of their property and choice of tenants. Therefore, from the point of view merely of rents, if the figures remained as they did at the present time, he did not think the type of working-class property would at all suffer; he did not think there was any probability that, if the Rent Restriction Act went, people would get any more rent than that which they got at the present time. He did think, however, when one got to the upper level of the rents affected by the Rent Restriction Act—that was the rents from, say, £50 to £105—that persons owning houses which brought rents of that kind had suffered, do suffer, and would continue to suffer under the Rent Restriction Act. The proof of that could be found in the rents which could be obtained, not only from the new houses which were being erected, or the sale prices which could be got from them, but also from the rents which could be obtained by the conversion of large houses into flats. It was clear, from the amounts of those rents, that if the Rent Restriction Act was brought down to a limit of £50 in London, the people who owned houses at rents above that would be able to secure a fairly considerable increase. That was shown again by the very considerable amount of activity which was going on at the present time in the direction of house building of six or seven rooms. It was clear that there was a fairly large section of people who had a margin of accommodation which they could cut down. Before the war they thought of nine or ten-roomed houses; now they were content with six or seven-roomed houses. That gave a margin to meet the extra cost. There, again, he thought the continuance of the Rent Restriction Act for rents, say, above £50 was a

hardship to house-owners. On the other hand, of course, it was a benefit to the lower middle class.

There could be no doubt about it that subsidies were a corollary to rent restriction, at least in so far as the class to which he had just been referring was concerned. There was no doubt about it that there was just a margin of people to whom the subsidy did make a difference. If they were given a subsidy they would scrape together enough to buy a house, but he did not think that it was a margin of very great extent. The experience which the London County Council had in the granting of those subsidies did not indicate that the subsidy at the present time—at least under the present Act—was playing a great part in stimulating the demand for houses.

Something had been said of the opinion he had expressed in the work which he had recently written as to the extended prospects with regard to the housing of the working classes. He frankly said that, as far as his study of the matter had gone, he did not believe that there was the least prospect, in any period which any of those present would live to see, of what had been called by Mr. Spensley the gap or the chasm being closed so far as a large section of the population of this country was concerned, and that therefore, if they were to use the term "shortage," not in the sense of the shortage of houses for those people who could afford to pay for them, but in the sense of the shortage of houses for those people who needed them whether they could afford to pay for them or not, then he would continue to hold to what he had already expressed, namely, that he saw no prospect of that shortage being made up without a continued subvention from State funds. It was always dangerous to prophesy, but he would run the danger.

He would like to conclude, as he had begun, by expressing his own personal thanks to Mr. Spensley, and to move on behalf of the meeting a vote of thanks to him for his valuable work. No more valuable work could be done for The Institution or for the country than efforts such as Mr. Spensley's—to measure the extent of the problem, and to put together as coldly and as lucidly as possible all

the facts which bore upon it. That was the task which Mr. Spensley had discharged most completely.

Sir Theodore Chambers (Fellow) felt it a great privilege to second the motion, which had been so ably proposed by Major Barnes, according a vote of thanks to Mr. Spensley for his Paper. It was not the first of a series of extraordinarily interesting Papers which Mr. Spensley had read on occasions like the present. The members owed Mr. Spensley a great debt of gratitude for having brought before them subjects so clearly expressed, and for laying the foundations for discussions on matters which so vitally affected them.

It was an astonishing thing that when a subject-matter like the present one was brought before The Institution, the attendance should not be larger. It was really an extraordinary thing to his mind that a subject like that dealt with by the author that night, which vitally affected not only the whole profession but the whole nation, should not have attracted an audience of two or three hundred members to discuss the matter. It was probably attributable to the fact that there was an element of weariness about the subject; people were almost tired of the question of housing, in spite of its enormous importance.

Major Barnes, with himself, had spent a considerable number of weeks on the Rent Restriction Act Committee, and they had felt, at the end of the time, that they were up against a problem which was almost insolvable. He believed it was partly due to a feeling that it was insolvable that, to some extent, people fought shy of discussing it. Still, its importance was such that when it was recognised that it was not only a problem in this country, but a problem in every country in the world, the conclusion should be reached that too much time could not be spent in its consideration and in thrashing it out over and over again.

He desired that night, in the short time which he had at his disposal, to throw, if possible, a little light on one or two elements of the subject. He must apologise if, in taking it very shortly, by he appeared to say anything dogmatic, because in cutting short the argument one might reach conclusions

without pointing the precise steps by which one had reached them. The feeling which he had had during the last four years had been that there were two entirely different housing problems—the housing problem of the weekly wage-earner, and the housing problem of the salaried man and the *rentier*. It was of the utmost importance to realise that the subject must be divided up into those two entirely different sections of the matter.

Dealing first with the problem of the house for the weekly wage-earner, he had come to the same conclusion as Major Barnes, namely, that it was impossible to expect in any time that they saw in front of them that the capitalist would again build houses for that class in order to let them. The owner of working-class houses had been put to so much difficulty by legislation; he had been so much (might he say?) abused as an undesirable person, and there were so many other directions in which he could put out his capital to far greater advantage, that personally he could not conceive that private enterprise in the sense of building working-class houses to let to the working-class people would ever come again in the lifetime of anybody present. It was also true that the gap between the ability to pay of the wage-earner in this country and the economic or remunerative rent of the house which society now demanded that the wage-earner should live in was too great to be easily bridged. Whether society was right in having raised the standard so high was another question, but undoubtedly idealism and sentiment had brought about this conclusion, that society demanded that the whole of the people of this country should be housed in a type of house which could not be produced at a figure a reasonable return on which could be paid out of the weekly wage of the wage-earner. The gap was tremendous, particularly when one took into account, not only the remunerative rent, but the rates which had in many cases to be added. There were many cases in this country where not less than 12*s.* to 15*s.*, or even 18*s.* a week, would be necessary to get the full remunerative rent with rates; and with wages often down in the direction of 45*s.* or 40*s.* a week, it was perfectly

obvious that to take 18*s.* out of that did not leave sufficient subsistence for the family; and he did not believe they would get round it in any other way—if society demanded such conditions for the working people—than by treating the question somewhat in the same category as education, or other semi-national services.

He would now like to turn to the question of the middle-class house, the house for people earning yearly salaries, and *rentiers*, that was to say, people with a certain amount of saved capital on the interest of which they lived. Here they had an entirely different problem, and it was in consideration of that problem that he thought that it was unfortunate that the Rent Restriction Act Committee had not been able, although it itself accepted in principle the evidence of The Surveyors' Institution for both England and Scotland, to persuade the late Government that the Rent Restriction Act should be lifted off the upper grade of houses which had been brought under the 1920 Act. He did not believe there was any member of The Institution who believed it was advantageous to the country that the Rent Restriction Acts should continue in respect of that class of house.

There was another point he would like to put forward with regard to middle-class houses. He was very pleased that Mr. Spensley had definitely drawn attention to the term "remunerative rent" side by side with the term "economic rent," because what really dominated the situation at the present time was the ability to get a remunerative rent. Private capital would not be forthcoming to build houses until either a remunerative price or a remunerative rent was forthcoming. He would like to carry the idea of the remunerative rent one stage further, and to draw the attention of The Institution to what he thought to be rather an interesting and fundamental point, namely, that there was a difference between the remunerative rent to the investor in house property—the man who put his capital into house property and held it to let at a monthly, weekly, or yearly tenancy—and the remunerative rent to the occupying purchaser. It seemed to him clear that the

occupying purchaser could stand on what would be a remunerative rent to himself at a considerably lower figure than the remunerative rent to the capitalist investor. The capitalist investor had to consider empties; he had to consider cost of collection; he had to consider repairs done, not under his immediate supervision in every case, but sometimes under considerable difficulties and often unnecessarily heavy in cost. On the other hand, the occupying purchaser had control over his own house; he had control over his own repairs; he could reduce his repairs to a very much smaller figure than the average cost of repairs upon a number of houses in the ownership of a proprietor, and he could, by borrowing in the cheapest market, himself stand at a rent considerably below that which would have to be charged by a landlord who had to consider the return on his capital that would be commensurate with the risks and worries of house property ownership.

That brought one to this, that the gap in the case of middle-class houses was more likely to be filled by their construction for sale than by building for renting. He felt that if the Rent Restriction Act had been lifted off the higher class of houses, it would have led to a very advantageous mobility of occupiers. It seemed to him clear that the tendency must be at the present moment for those people who could afford to purchase a house—that was to say, people of a certain age and a certain position—to be, at present, snugly tucked in as tenants paying a yearly rent, whereas they must be, in the aggregate, in a more advantageous position to purchase than the newcomers into the field, the young married man who wanted to set up house, and the younger people who were, generally speaking, those who were looking about for houses. He believed that a certain mobility would have been engendered by lifting the Rent Restriction Act. The immediate tendency to a raising of rents would have disturbed the tenants, who would have looked about for new houses. They would have found new houses which they would have entered at a rent probably lower than that which they would have been asked by their landlords, and that would have led to and stimulated the building of that

class of house, and the houses they had left would have tended to become empty and rents would have gone down again. He believed that the tendency to an increase of rent due to the lifting of the Rent Restriction Act on that class of house would have been very short-lived, and that it would have given a very advantageous movement of population.

One could talk on the subject for a long time. It was so big a question that it was extremely difficult to condense one's remarks and ideas into a short space of time. He desired, in conclusion, to say how glad he was that Mr. Spensley had again brought the subject before The Institution.

Mr. Graham Mould (Associate) said the subject was such a vast one that perhaps some of those who had not that intimate acquaintance with it which belonged to both the previous speakers and to the writer of the Paper would perhaps best serve the immediate purpose if they confined themselves to one or two concrete points.

Before dealing with the one or two points to which he desired to draw attention, he would like to add his meed of grateful thanks to Mr. Spensley for a Paper which had taken, if he might say so, such a comprehensive and statesmanlike view of the situation, and which had shown that one need not be dull even though one indulged in statistics.

One way in which one might approach the subject was as follows: It seemed to be recognised that for good or for evil the Rent Restriction Acts were with us and would continue with us for many years to come—how long no one, of course, could say, but for a very considerable period. It would be remembered that in 1915, when the first Rent Restriction Act had been passed, all the recognised text-books on the subject of landlord and tenant had studiously placed the matter outside their purview and said: "Oh, this is ephem-"eral legislation; we need not trouble to deal with it"; but in later editions they had dealt with the subject and had necessarily had to deal with it, because if it was not of a permanent it was of a quasi-permanent character.

Admitting that the country had to have a Rent Restric-

tion Act, the point which he ventured to suggest was material was that it should have one as little objectionable as possible, and the point which he desired to bring before The Institution that night was, was the Bill which was at present before Parliament one which combined the minimum of objection with the maximum of advantage? If it did, he not think there was much more to be said about it. If opinion in all well-informed quarters was that the present Bill was as good a Bill as could be drawn to meet the situation, recognising the fact that the country had to have such legislation for some time to come, he did not know whether there could be very much more to be said about it: they should regret the necessity, but they should bow to the urgency of it. But the Bill at present before Parliament was, he ventured to think, of a character which was not yet fully understood throughout the country, and he wanted to draw attention to one or two particular points in it.

From the Rent Restriction Acts of 1915 onwards there had always been recognised the fact that although the landlord was deprived of the opportunity of obtaining possession at his will, yet he could obtain possession if the tenant failed in the primary requisite of a tenancy, namely, if he failed in the payment of rent. One had often heard of cases which had come before the county court judges where a landlord had brought a claim for possession on the ground that the tenant had not paid his rent. If the judge was satisfied that that failure to pay was an accidental failure; if he was satisfied that it was due to a passing inability, he did not as a rule make an order for possession, or, if he did, the order was suspended provided that the tenant paid the current rent and some small amount off the arrears. That was the practice to-day under the present Act. What was to be the position under the Bill as it at present stood? A landlord was not to be entitled to possession unless any rent lawfully due from the tenant had through the wilful default of the tenant not been paid. Those were his own words, but that was the substance of the Bill. What did that mean? A landlord did not receive his rent. He entered a claim for possession of the house. The

tenant said, "Oh yes, quite true I have not paid you the rent, "but my failure to pay is not due to my wilful default," and unless it was due to his wilful default, or unless the phraseology of the Bill was altered, the landlord could not obtain possession. It was an impracticable position in which to put the landlord. All that the landlord could prove in nine cases out of ten was that the tenant had not paid and that he (the landlord) had not received the rent; but that would not do: he might prove that, and the judge might say—and would be bound to say if the Bill became law in its present form—"You have merely proved default on the "part of the tenant; you have not proved wilful default." How was the landlord to prove wilful default on the part of the tenant? What landlord had sufficient knowledge of his tenant's means that he himself could give affirmative evidence to show that the default on the part of the tenant was wilful? He ventured to suggest that that was placing a burden upon a particular class of person which was an unfair burden. In the first place it put the onus on the landlord to prove that the default was wilful, an onus which he should imagine not one landlord in ten could discharge. But supposing the landlord succeeded in giving some evidence as to the means of the tenant, and the judge said, "I have heard all the evidence, Mr. Landlord; I agree you "have not received your rent, but I am satisfied on the "evidence before me that this default on the part of the "tenant is not due to his wilfulness; it is due to his in-"ability. The poor man has not got the means to pay. "Therefore I cannot make an order that you shall have "possession." How long was that state of things to continue? It might be a case of genuine misfortune, but was that particular landlord to be penalised because that particular tenant, through misfortune, was unable to pay to-day and might be more unable to pay to-morrow? If the reply was that it was in the highest interests of the State that a tenant who genuinely was unable to pay should be continued in his tenancy and should be confirmed in his tenancy—and that for some quite indefinite period of time—then he respectfully suggested that that was a burden which

the State in general and not the landlord in particular should be called upon to bear. It might be that they had reached a state of things where it was said that, although the tenant was unable to pay, it was not in the interests of the State that he should be turned out. If so, that surely was a burden which the State and not the particular landlord ought to shoulder.

He would point out one other phase. A large number of landlords were not wealthy people. Some were wealthy and some were very poor. Supposing the house was mortgaged as a great number were. He saw it stated the other day that 85 per cent. of houses of the class which were most concerned were mortgaged. Supposing it was also a leasehold house. There was no protection, so far as he could see, given to the landlord. The landlord would have to continue to pay his interest on the mortgage; he would have to continue to pay, if it was leasehold, the ground rent, and he would not be receiving any rent from the tenant, and that state of things might continue for an indefinite time. That aspect did mark a very wide departure in the Bill from any of the Acts which had previously been put on the Statute Book. It was because he ventured to think that that was a departure of such a radical—using the term in a non-political sense—character and of such a far-reaching character, that he desired the point to be perfectly clear so that all the possible objections which could properly be made to it should be made.

The present Bill provided for protection until 1928, but he had already seen notice of amendments extending that time to 1930, a period of six years from the present year. If during the course of those six years a tenant paid, say, rent for half that time, and the landlord had to forego the other three years, in substance it was making over to that particular tenant in his favour, and it was taking away from the landlord something like 25 per cent. or 30 per cent. of the saleable value of that house. It was not done directly. It was done indirectly. It might be said, "Oh yes, but "there will not be many tenants who would be unable to "pay." His answer was that it had to be remembered that

what at one time was the power of distress vested in the landlord had to-day gone by the board. No distress could be levied to-day without the leave of the county court. The power of recovering possession had in substance gone by the board also; and if in addition to that it were to be said that the tenant might be continued in the house, although he did not and could not pay the rent, then a state of things would be reached which must operate extremely prejudicially for the landlords of the country.

There were many other points to which he would desire to call attention, but he knew how limited the time was. He desired to thank The Institution for the opportunity they had given him, and to conclude, as he had begun, by thanking very much the author of the Paper for what had been to him personally an extremely interesting and fascinating contribution.

Mr. T. P. Bennett, F.R.I.B.A. (Visitor), remarked that as an architect he was particularly interested in the question of building costs. As the head of the building department of the Borough Polytechnic, his students had carried out a considerable number of investigations into building costs, and he had a few points which he would like to make. First of all, the cost of a 1922 house was put down, under the Roehampton Estate Scheme, as £360. That was considerably less than double the 1914 costs on the Old Oak Estate. The author mentioned that those prices were not exactly comparable, but the whole of his (Mr. Bennett's) investigations went to prove that it was still impossible, even at the end of 1923, to build any kind of building at less than approximately twice the pre-war costs. So that if a building cost £220 in 1914, it would be bound to cost at least £440 in 1922. The author went on to say that from one-third to one-half of the cost of the cottages was due to increased amenities and increased accommodation. Therefore if those cottages had greater amenities and greater accommodation, he still further failed to see how they could be built for £360. The author made the further remark that at the time of the highest costs—which, accord-

ing to his own statistics was in November, 1920—the total building costs was three and a half times the pre-war cost; but personally he had not found that was the same.

The average of thirty-one materials taken from the *Builder* price list shown in November, 1920, was slightly under three times the pre-war cost. The increase on skilled labour was rather less than that on the average cost of materials. Unskilled labour was rather more. The average of those three factors in building was most decidedly under rather than over the three times cost of pre-war. Furthermore, in those statistics some materials had been given a unit value, and were, therefore, not strictly applicable to exact building costs. The materials which showed the greatest amount of percentage increase were materials which were least used in building. For instance, turpentine cost, at that date, six times its pre-war cost. It had been given a unit value in his own tables, but its relative cost in house building was negligible. Therefore, if one took out some of those high-priced materials, one was unquestionably below on the figures of three and a half times the pre-war cost. Low output might, however, have accounted for the difference.

The author stated that there was no indication that workmen were at present "going slow" as compared with pre-war. He was sorry again to have to say that his own investigations did not support that view, neither could he find any builder who supported it. In December, 1923, the same 31 materials averaged 78 per cent. above pre-war. The craftsman's wages were 74 per cent. above pre-war. The labourer's wages were 97 per cent. above pre-war. So that the average of those figures would give something like 80 per cent. above pre-war figures; but he still could not erect buildings at very much, if anything, less than twice the pre-war values. He had put the loss, due to output, at, at least, 15 per cent. He had quoted that figure on several occasions, but on each occasion he had been told that the loss in output was nearer 20 per cent. than 15 per cent. He did not say that the operatives in building works were necessarily going more slow than the operatives in other

industries, but he certainly could not, at the present time at any rate, corroborate the statement that there was no loss of output. There were many reasons why the men—quite wrongly, he thought—were restricting output, reasons which to them were patent.

He desired also to refer to the extremely interesting table given on page 172, in which the most extraordinary reciprocity was seen between the output of houses and the percentage of empties. It seemed to him absolutely marvellous that the percentage of empties should re-act with such deadly certainty upon the output of houses. The moral to his mind was that if that deadly certainty went on over a period of years extending from 1871 to 1923, and the State was brought in artificially to build houses in neighbourhoods where possibly they were not strictly required, and where one was dealing with councils partly socialistic or with very progressive views, others with very moderate views, others with die-hard views, if one interfered with that wonderful machinery which had been operating for something like fifty years, one was doing something which, to his mind, was extremely dangerous.

Several speakers had referred to the fact that it would be impossible for all time for property-owners to build houses for which rents could be paid by the workers. Personally he did not strictly agree with that view. To his mind the reason why working-class property could not be built to let at the present moment was because of the operation of the Rent Restriction Acts. Through the operation of the Rent Restriction Acts the increases in wages had never properly taken account of the increased cost of building houses. That meant to say that, in spite of the very large increases in wages, they were only at the present moment dealing with certain factors of the increased cost of living, in which the increased cost of building houses was not given its full value. That therefore meant that if one continued to have Rent Restriction Acts, one continued to have wages which were below the proper economic level. The proposal, therefore, was to supplement that lack of wages by giving grants or assistance in some way for the

building of working-class houses. In other words, instead of paying workmen economic wages, it was proposed to make them semi-dependent by providing them with assisted houses. Surely if one were bound to provide those men with houses in some way or another—and he thought it was quite beyond question that one was bound to—then it was better to raise their wages to a level at which they could pay an economic rent than it was to keep the wages down and make them semi-dependent by giving them assisted houses. He was quite aware that that was a very sweeping statement, and that it brought in its train all sorts of contingencies. He was quite aware that it opened up all sorts of criticism. But broadly speaking, surely the best national policy was to pay a man a wage on which he could live. If he could not live on that wage there was something radically wrong with the system, and it could not be put right by giving the man an artificial dole. Therefore, he suggested, that in any future legislation which might be framed the serious question of the economic wage should at least be given its due importance in relation to the extremely important question of housing.

He could not say how much he had appreciated the Paper. He had himself done a good deal on the lines touched on by the Paper, and he appreciated the immense amount of labour which must have gone to its production.

Mr. Cuthbert Lake (Fellow) said he had hoped that he would not have been asked to speak that night, and that there would have been such a demand for permission to take part in the discussion that one who bored the meetings rather too often might be left out; but it was a great privilege to him to be allowed to thank Mr. Spensley for the Paper he had read. There was no other source of which he could think where one could get the information which Mr. Spensley had given in his short Paper in such a form that busy general practitioners could get at it at once without sitting down as though they were at a school of economics.

When it came to the comments on the Paper he agreed

with every word of praise, but with the conclusions which were drawn by the proposer and seconder of the vote of thanks he found himself very much at variance. He was only a working surveyor, who had all his working life been engaged in the development and administration of house property, much of it working-class property. He was quite sure that all others who had that working-man knowledge would agree with him in saying that to the community at large the whole question of rent restriction was against the policy of the country. He was quite sure it would be impossible to recover, in the great percentage of cases, higher rents than the present Rent Restriction Act permitted. One could not extract more money than a man had got. The members had been told that night by two great authorities on the subject that not within their lifetime could they expect to see a bridge across that great gulf of demand for small houses; but it would be in the recollection of most members present that well within the last twenty years the empties percentage for working-class properties in London had been in many areas extraordinarily high. He could give one case of an estate within three miles of the hall in which they were assembled where the empties percentage had been round about 25 per cent., with the natural result that the provision of new property stopped, and then those empties filled up again. If one took houses which were let on quarterly tenancies of £50 a year and upwards, it seemed to him that they were within sight of the filling up of the demand. Certainly the prices which could be obtained for those houses were steadily dropping. Taking the cases of houses which were converted, it was difficult to sell a converted house, and the conversion of the comparatively large mansion or medium-sized house into tenement houses was being checked to a very appreciable extent for that reason. His own experience did not agree with that of the great housing experts who had been heard that night who approved the continuance of restriction.

It was distinctly to the material advantage of the profession that the Rent Restriction Acts should be continued, for the management of house property, particularly the smaller

class of house property, had become so complicated that there had gone into estate agents' offices an amount of estate management work which certainly would not have gone there if the problem of management had been a simple one. The interference with that economic law to which Major Barnes had referred was a most dangerous thing. As soon as it was interfered with, a considerable amount of work was promptly brought into the profession. The first Finance Act of 1909-10 was an extremely fortunate thing for many surveyors, but it certainly was not good for the community. Neither was the Act under discussion.

Dealing with the economic effects of the housing subsidies and Rent Restriction Acts, he gathered that one must not say anything about the real necessity for bringing back a demand and supply for housing by means of an increase in the wages of the community. It could not possibly be right to penalise one class of tradesman as against another, and a landlord was a tradesman. He was not better or worse than the butcher or baker, and he should be brought to the level of the butcher or the baker. If the community could not afford to buy beef they must put up with mutton, and if they could not afford to buy mutton, and mutton was necessary, then their wages must be increased. He knew most of the literature on housing and on rent restriction, and so did all the members. It had not been found expedient to permit free trading in rents in any civilised European country, but he believed he was right in saying that in no European country which had those Rent Restriction Acts had the real problem been faced and a supply of houses provided for the benefit of the community.

Finally, as regards the housing of the lowest grade of the population, it was agreed by all that they could not be housed without State Poor Law help, for they had nothing of value for a livelihood to give in return ; but it was not in the interest of the nation that such grades of population as were in a position to help themselves should become a charge on Poor Law legislation.

He desired to close with a last and very grateful word of thanks to Mr. Spensley.

Mr. A. B. THORNTON (Fellow) said it required considerable temerity to speak after such great authorities as Major Barnes and Sir Theodore Chambers had addressed the members; but he must express his surprise that The Institution had not assembled in force to crush Mr. Spensley and his Paper and all his supporters. They were indeed living in changed times. Only a year ago they had discussed the very same question in that hall, and a large amount of support had been forthcoming for The Institution's official Memorandum advocating that the housing problem should be left to private enterprise. Speaker after speaker on that occasion had been in favour of that solution of the difficulty. That night, however, they had listened to two important speeches which, in affect, said that the day of private enterprise had gone by in regard to the housing problem of the working classes of this country.

Major Barnes in his new book had come out into the open, and had challenged the private enterprise theory with a wealth of argument and statistics, which would need a great deal of combating. Personally, he thought Major Barnes was right, and he had expressed that view on previous occasions. He was in favour of getting rid of control as soon as possible. Temporary control undoubtedly was necessary, but the country had got into a difficult position by tinkering with a most important subject. It had generally been suggested that the housing shortage was really due to the Finance Act of 1910, and then the war. Major Barnes had delved further into the question; he had gone back a full century, and he estimated that in the decade ending in 1931 1,000,000 or 1,200,000 new houses would be required for the working classes, and that even if the present rate of building was carried on, there would be a shortage in 1931 of 500,000 houses. On every hand there were admissions of the fact that no private builder was prepared to step in and build houses for that very class which formed the crux of the whole problem. The present Government talked of solving the problem by building houses costing £500 each, which they proposed to let at

9*s.* a week inclusive of rates. That was ridiculous. If the Government built houses at £500 each, by the time they had charged the rate of interest on the money (which even a Government would have to pay for raising money in the market to-day), and taking into account the cost of repairs, upkeep, and rates, they would find they would reach a rental more like 18*s.* a week. Now 18*s.* a week might be a rent which could just be paid without distress by certain members of the surveyors' profession, especially if they happened like himself to be in the Civil Service, but it was a rent far beyond the permanent capabilities of the working classes.

Nowhere could be seen any possibility of any authority building averagely decent houses for which they could remuneratively charge less than 18*s.* a week.

He wanted to see control got rid of at the earliest opportunity, because the further they went on with control the deeper would they got into the mire. There was only one way to get rid of control, and that was to build houses, and if houses were to be built they must be built on a big scale. The problem had been tinkered with long enough. The position was getting worse instead of better, and not until the country recognised the fact that it was really face to face with acute and increasing shortage would it wake up and find that it would be good business to build those houses and abolish control. Then if private enterprise was the right thing in normal times, it would be able to come in and stand on its own merits with a fair start. His view, therefore, was that the solution of the difficulty was a financial one rather than one which lay in legislative enactments of a restrictive character. The present subsidies did something, but they could provide only a very small proportion of houses required. The odd man here and there would build a house if he could get the benefit of the Government subsidy; but spread over the whole nation that was a very small proportion of the houses which were needed. A big scheme was necessary. The small subsidies which were being provided under the present Housing Act were useful, but they would not solve the problem, especially in the inner urban districts where big

blocks of buildings were required. Subsidies for isolated houses were of no assistance under those conditions. When the country was faced with war it raised 6,000 million pounds which was blown into the air, and for which nothing was received—not even peace. To-day, if half a million houses had to be built, costing £500 each, it would only represent 250 million pounds, or, say, 1-25th the cost of the war, and instead of getting nothing in return the country would have a tangible asset—the greatest and most valuable asset of all, because it would lay the foundation of a healthy population, and would bring contentment and save social unrest.

Mr. T. P. Bennett said, in reply to Mr. Thornton, the Ministry of Health had stated that there would be 108,000 houses built during the course of twelve months, which was rather more than the due proportion of one million houses in ten years.

The vote of thanks was then put and carried with acclamation.

Mr. Spensley, in reply, expressed his sincere thanks to Major Barnes and Sir Theodore Chambers for moving and seconding the vote of thanks, and to the members for supporting it. It was a great honour to be permitted to address The Surveyors' Institution at all, and on a subject of the kind he had dealt with he appreciated that honour all the more.

With regard to Major Barnes's suggestion that subsidies had not so far been very successful, there was a great deal of truth in that. He believed in London there had been only about six or seven hundred houses for which applications for subsidies had been made. That would not go very far to meet a housing shortage.

Sir Theodore Chambers had given an extraordinarily interesting distinction between remunerative rent from the point of view of the investor and remunerative rent from the point of view of the owner-occupier. He had not seen

that distinction made before, but it was a very important one. The owner-occupier, in addition to being able to supervise the work on repairs, was able to control the amount of repairs that was required because he could take great care of his house. He also got something which the investor did not want, namely, a house to live in and the kind of house he wished for. Altogether he had everything in his favour as compared with the investor. It seemed to him personally that the investor was, from the point of view of houses built for letting, in an unfavourable position at the present time even with the subsidies.

With regard to the amount of assistance which an owner-occupier could get, the position was that if a house cost £600 the owner-occupier could get £75 at least as a subsidy. Of the remaining £525 he could get 90 per cent. advanced to him on loan at 5 per cent. leaving £52 for him to find together with the costs of £20 or £25. So that if his savings amounted to £75, he was able to provide himself with a house. Of course there was the danger that if prices fell he might be caught, but in the meantime he had got the kind of housing which he wanted, and which he might not have got otherwise.

He had been very much interested in Mr. Graham Mould's point about wilful default. Mr. Graham Mould was so persuasive that the proposition appeared too wicked to pass. Mr. Mould's suggestion that it was not the landlord who ought to bear the loss where a tenant was unable to pay, but the State, was to a certain extent justified by the fact that out-relief was supposed to provide for rent. So that the principle was already accepted in local taxation. They were all very much indebted to Mr. Graham Mould for his extremely adequate pamphlet on the Rents Act, which they had all been using constantly.

With regard to Mr. Bennett's criticisms, he hoped he might be given an opportunity of seeing the figures which Mr. Bennett had been getting out. The suggestion that a building now costs fully twice what a building cost pre-war was not borne out by the figures which he himself had been able to get of actual cases. The instances given

on page 153 worked out at an average increase of 80 per cent. in the cost of buildings only, or 70 per cent. in the all-in cost. At the last meeting of The Institution 75 per cent. above pre-war had been given by Mr. Alan Paull, the expert who had read a Paper on that occasion, on the cost of building work. Even with regard to repairs, which were inclined to cost rather more than constructive work, he found plenty of examples where costs were now only 80 per cent. above the pre-war cost. None of those figures was 100 per cent. above the pre-war cost, and Mr. Bennett's conclusion on the question of "going slow" depended upon his 100 per cent. increase in cost being substantially higher than the 80 per cent. increase in wages. He himself had been looking to see to what extent the increase in the cost was due to the policy of "going slow," and when he could not find there was any statistical evidence of it, he thought it was only just to say that he had come to a negative conclusion.

He had thought that Mr. Thornton had been going to attack the Paper. He wished he had attacked it more severely, but it seemed that on the whole he agreed that subsidies were necessary until the shortage was made good, and then, of course, rent restriction would no longer be necessary.

Paper 483.

THE PLACE OF ARTERIAL LAND DRAINAGE IN AGRICULTURE.

By C. H. J. Clayton, M.Inst.C.E., F.G.S.,

Consulting Engineer, late Chief Drainage Engineer to the Ministry of Agriculture and Fisheries.

To be read at the Ordinary General Meeting of The Surveyors' Institution on Monday, 7th April, 1924.

I think it is due to an audience composed of members of The Surveyors' Institution that I should, at the outset, offer some apology for the brief opening statement I shall make of the elemental need of agricultural land drainage. I am all too conscious that many members of my audience are far better qualified than I to deal with the chemical and bacteriological aspects of the subject, but I have felt that there may be others who would be interested to learn from a modest student something of what he has himself learnt whilst sitting at the feet of those who have made a special study of soils and soil conditions. As regards the physical aspects of the subject, I shall feel that I am on firmer ground or (should I say ?) in less deep water.

The agricultural purpose of land drainage is to discharge surplus water from the land so that moist, as distinguished from wet, soil may be left for the healthy penetration and feeding of the roots and root fibres of plants and for the freer admission of air to the soil; to improve the texture of the soil by setting it free to benefit by the contractive and expansive influences of alternations of temperature and by the penetrative activities of earth worms; to stimulate by aëration the decomposition and assimilation of mineral and organic substances either in the soil or in the fertilisers

applied to the soil, and so to increase the heat-permeability of the soil that it may receive earlier and retain later the influence of summer temperatures.

To the casual thinker the drainage of agricultural land begins and ends with the formation of underground conduits in wet fields; pipe-drains, mole-drains, faggot-drains, stone-drains, and so forth. The under-drainage of heavy or medium soils is, doubtless, very useful and, in many cases, highly necessary, but, taken by itself, under-drainage is a means of transferring water from one place where it is not wanted to another place where it is not wanted.

The under-drainage of wet land is the most obvious necessity imaginable, and no cultivator of the soil who was worth his salt would dream of neglecting so plain a duty to his business interests, but the trouble in most instances is that the man who can see his under-drains discharging satisfactorily into his boundary ditches is content with that prospect alone. He is not, as a rule, interested in the slightest degree as to where the water goes if his own lands are redeemed from their previously waterlogged condition, and can afford to smile indulgently if he learns that the condition of land at some lower level has somehow or other become wetter than it used to be. He would probably suggest that the owner or occupier of that land should do as he had done, namely, get rid of the water by under-drainage and ditching.

It may, of course, be a good thing for A to under-drain his land and cleanse his ditches, so that the water shall get away from his land to B's land which occupies a lower level. This would probably stimulate B to do something which he might not otherwise have done to transfer the water due to the lands of A and B to C whose land is at a still lower level. C in turn may have his imagination similarly stirred, and so on down the line until the whole volume reaches Z. Z finds, however, that he is unable to emulate the touching benevolence of his upper neighbours, because the brook or river which should take the water from his outfall is in too foul and neglected a condition to carry an added volume. Z's land theretofore may have been occasionally flooded

from the river, but it now becomes permanently water-logged. Z therefore must drive in his stock from the pastures and abandon all attempts to grow meadow hay. It would then, perhaps, occur to him to consult his text-books for hints on duck-rearing or the cultivation of oziers.

I need hardly assure you that this is by no means a fancy picture; it is a very common condition in valley lands, and the reason is that, for three-quarters of a century or more, agriculturists have been under-draining their lands and cleansing their ditches, as they had every right to do, and that the rivers into which the water has been poured have been almost wholly neglected. There is not the slightest doubt that the flooding and waterlogging of the lower levels of the river valleys have been very seriously aggravated by the systematic under-drainage of agricultural lands.

The late Mr. Bailey Denton, an engineer of great eminence, when giving evidence before the Lords' Committee on the Conservancy of Rivers in 1877, said that at that time about 3⅓ million acres of land in this country were under-drained and that the additional discharges into the river systems due to that fact were approximately equal to a wet year's flow of the River Thames. He referred to this as "new water," because without under-drainage most of it would have been slowly evaporated.

If that was a reasonable estimate in 1877, what estimate should be placed upon the additional discharges due to another forty-seven years of systematic under-drainage, to say nothing of the more rapid discharges into the river systems due to the increased pumping of water from underground sources, the thousands of added acres of impervious roads and roofs and increased sewage flows?

In order to illustrate this point I would invite your attention for one moment to the cycle of operations which begins in the direct evaporation of water from sea sources and ends with the re-discharge of that water into the sea. Cyclonic conditions usually bring from the western ocean heavily charged rain-clouds, which in the course of twelve months precipitate upon these islands a volume of water

equal to about 116,000 cubic feet or 3,200 tons per acre. Of this volume some part is infiltrated and sinks to the permanent water-tables; another part is evaporated from the surface into the air; a further portion is drawn up by capillary attraction through the roots and stems of plants and transpired through their leaves; and the remainder runs off by brooks and rivers back into the sea.

If nothing be done to interfere with natural processes, most of the permeable soils will retain very large volumes of water for considerable periods, because evaporation from a surcharged and consequently cold soil will be slow: the run-off from the sodden soil will also be retarded by the friction of its particles. In these circumstances of slow discharge from the soil the brooks and rivers may not be over-stressed by the volumes discharged into them in a given time; if, however, the lands be systematically under-drained, a very large percentage of the volume of water which would otherwise have occupied the depth of soil from the surface level down to the inverts of the drains will be rapidly discharged into the open channels, which, unless they have been improved in capacity, may become so gorged as to overflow their banks and give rise to various other unpleasant conditions from which their flanking lands had been previously immune.

Perhaps the most unfortunate part of it all is that the lower lands of a river valley are usually composed of naturally rich alluvial soil; so much so that in many instances it may be said that its natural richness is in inverse proportion to its level; yet that is the kind of land that goes most rapidly and shockingly to waste under conditions in which the upper land levels and towns and roads are drained, and the arterial channels neglected.

This, then, brings me to the point which I desire particularly to emphasise, viz., that land drainage to be thoroughly effective must begin at the bottom end of the drainage system.

May I illustrate this by diagram No. 1, which is intended to represent a natural drainage unit? The outside line represents the watershed enclosing the catchment area. Within that line the water that is precipitated from the

clouds must be disposed of either by infiltration, by direct evaporation into the air, by transpiration through the leaves of plants, or by run-off to sea. The run-off channels or rivers are indicated by firm blue lines and the valley lands flanking those rivers by the grey tint. The dotted brown patches indicate various systems of under-drainage, or of drainage from urban areas.

It will be at once recognised that it would be vain to attempt to improve conditions over the whole of the grey-tinted area merely by under-draining the lands adjacent to tributaries 1, 2, and 3. These tributaries, unless dealt with at the same time, would get gorged earlier than they would otherwise have done, and the immediately flanking lands would become waterlogged. But even if the tributaries were at the same time improved and nothing else were done, the trouble would only have been shifted from the tributary lands to those of the main river valley, where swamp condition over wide areas would be set up.

Similarly, it would not be a cure for flooding and water-logging in the main river valley even if its own channel were improved unless the discharge capacity of the outfall-channel to sea were equal to the voidence within a reasonable period of time of the run-off volume due to the catchment area.

It must be remembered that whilst the flow of fluvial waters is perennial, their discharge to sea is interrupted twice daily by the occurrence of flood flows in the tidal compartment of the river. River water which has found its way down to the tidal channel cannot get away during the period of rising tide, but itself becomes tidal. During tidal flow, therefore, there is a backing up of river water, partly in the tidal channel and partly above it. This produces in the lower reaches a reverse current, and in other reaches somewhat above the lower, either a stoppage or a greatly retarded flow. What is known as "tidal influence" in a river is sometimes found to operate for many miles above the tidal limit.

When the rising tide first meets the land water it has first to overcome the downward movement and then reverse

its flow, so that for the whole of the distance up to the limit of flow the tide is continually stopping and reversing the flow of the land water, and piling it up ahead so that the water of the flood tide is largely composed of land water.

The periodicity of floods and ebbs is a very important factor in any calculations having for their object the determination of the necessary sectional area and gradient of a river channel for the due discharge of the surplus water of its catchment area. The vertical range of the tides also is a prime factor, but periodicity and range differ so considerably on various parts of the coast that I propose to assume a condition which although arbitrary for my present purpose is also exemplary. I may say, in passing, that round these islands the time ratio of flow to ebb varies between 2 to 10 and equality, that is to say, the flood tide may "make" from dead low water to high tide in two hours, after which the ebb may take ten hours to reach low water again, as in Morecambe Bay, or the periods of flow and ebb may be, roughly, six hours each as in many parts of the English Channel and along the East Coast. It may be said generally, however, that tides, unaffected by wind, usually flow in less time than it takes them to ebb. The vertical range of tides varies between 5 feet to 6 feet, as at Great Yarmouth, and 45 feet, as in parts of the Bristol Channel where the converging shore lines have the effect of piling the water up to considerable heights above the normal high-water level in the open sea.

Leaving out questions of range, however, and assuming that the ratio of flow to ebb for a single tide is as 5 to 7, we should have, in the two tidal periods of a day only 14 hours out of the 24 during which river water could be discharged to sea.

If the general average gradient of the river is high, and the condition of the outfall-channel good, the ebb period may suffice; if, however, the river meanders tortuously through a series of long flattish valleys and low-lying marshlands before reaching the outfall-channel, a very considerable degree of attention must be given to the con-

dition of that channel, for the low velocity of the fluvial current will certainly encourage the deposition of large quantities of solids which might otherwise have been held in mechanical suspension up to the point of final discharge. Siltation is usually heaviest over that part of the channel where the tidal and fluvial influences meet and oppose each other. It is, therefore, of high importance that the depth and gradient of that portion of the channel shall be sufficiently maintained to reduce this tendency to a minimum.

The tendency towards siltation in river channels is naturally greatest in those of low gradient and especially those which drain lands of a generally friable character. The most conspicuous rivers of this character are those whose catchment basins lie generally to the east or south-east of the outcrop of the Lias, which extends from Lyme Regis to a point north of Scarborough. The chief rivers of that area, viz., the Yorkshire Ouse, Trent, Witham, Welland, Nene, Ouse, Bure, Yare, Waveney, Stour, Blackwater, and Thames, have low average gradients, and traverse lands from which outcrops of the harder rocks are almost entirely absent. All these rivers bring down immense quantities of solids in suspension, and it is not, therefore, to be wondered at that in some of them discharge capacity has become very seriously impaired owing to sedimentation within their channels.

Wherever there are local impediments to the full and free oscillation of the tidal wave within a river channel, the deterioration of that channel by siltation will be rapid and serious. For example, the Rivers Witham, Welland, Nene, and Ouse, which discharge into the Wash, are to a very large extent deprived of the scouring effect of the North Sea tide by the vast accumulations of sand and silt which are continually being built up in that great bay; and I have been recently informed that the bed of the tidal compartment of the River Ouse has grown up 6 feet or 7 feet within a period of about ten years. Part of the bed of the Yorkshire Ouse, between Naburn Lock just below York and Trent Falls, at the mouth of the Trent, has been elevated about 14 feet in 52 years. As regards the Trent, I am able

to say from my own observations that an accumulation of an inch of mud per week near low-water level is no uncommon experience.

Students of agricultural history may recall the conditions under which the rich warp lands which now surround what was at one time veritably, and is still known as, the Isle of Axholme were built up. The waters of the Trent were admitted to the swamps and meres through sluices and after the deposition of their solids were drained off again, and in that way the area was elevated to the extent of from 2 to 4 feet per annum.

It must not be supposed that such rivers as the Thames, the Mersey or the Clyde are free from such influences, but it is to be remembered that those rivers are the principal highways of sea-borne commerce to and from these islands, and that London, Liverpool and Glasgow can easily afford to keep their channels dredged, whereas some of the other rivers mentioned are not so fortunately circumstanced. That it would be profitable in terms of increased food production adequately to cleanse and improve rivers serving purely agricultural areas I have endeavoured to show in a Paper which I recently had the honour to read before the Society of Engineers, but the difficulty in such cases is to induce the farming community to repose any faith whatever in the schemes of engineers.

Other important factors which affect the discharge capacities of rivers are the directions of the littoral drift and prevailing winds. If these are such as to promote the growth of shingle or sandbanks in the estuary, conditions will be greatly aggravated, because in that case, although the flood tide will generally reach its full vertical limit in the river channel, the ebb may be so retarded by the obstructions as to fail of full oscillation before the succeeding flood tide is due.

One of the worst cases of this kind that I know is that of the Rother outfall-channel at Rye. This is so badly blocked by accumulations of shingle that a complete ebb is never obtained. The result is that about 30,000 acres of what should be excellent pasture and meadow land in the

valleys of the Rother, Tillingham and Brede can be used only as summer land, and very riskily at that.

I am not going to be so unkind as to inflict upon you any calculations, but will ask you to accept my statement that the flood discharge capacity of any river in this country should be such that 1 per cent. of the annual average rainfall due to that river's catchment area can be discharged to sea on two tidal ebbs, which in the case previously supposed would be 14 hours.

This would mean that if we take the general average rainfall at 32 inches per annum, we should require for an average catchment area a flood-discharge capacity of ·32 of an inch of rainfall in 14 hours. In other words the river channel should be capable of discharging to sea in 14 hours 32 tons, or 1,150 cubic feet of water from each acre of land in the area. This may be regarded as a high degree of capacity, but it is dictated by accumulated experience of recurrent flood flows, which under modern conditions of underdrainage, roofing, paving, roadmaking, and sewering, may pour into the main channels in 24 hours as much as five times the daily average of the year's wettest period. The great flood of the 25th and 26th August, 1912, was produced by a rainfall which in and around Norwich where it reached its maximum, gave the phenomenal figure of 7·93 inches in 24 hours. Needless to say that in that highly exceptional case a discharge capacity of 1 per cent. of the average would have left the Norfolk rivers as completely obliterated as they were on that occasion and for many weeks after the great rainstorm.

The Land Drainage Act of 1918 has so far been applied by the Ministry of Agriculture in endeavouring to establish drainage authorities which should have jurisdiction over the whole of the drainable lands in a river valley rather than over small areas within the unit system, the main idea being that effective drainage can be obtained only by treating each river system as a unit for physical and administrative purposes.

Leaving for a moment the administrative and turning again to the physical aspects of drainage, it may be stated

that of all branches of engineering which have been at any time practised in this country, land drainage engineering is the most ancient. You will recall the fact that the Romans did this country the honour of adopting it as their own some 2,000 years ago. Severus, to whom was allotted the task of subduing the Iceni of East Anglia, was manifestly a man of vision and resource, for he converted, or partially converted, into dry land the wilderness of tidal swamps which then flanked the shores of the Wash. If you will glance at diagram No. 2, which shows part of the coast of Norfolk and Lincolnshire, you will see a continuous line stretching round the Wash from Wainfleet, southward and eastward to or beyond King's Lynn, and marked "Roman Bank." Outside that bank the grey-tinted area represents the area which has been enclosed since the Roman period.

It has been, and still is, I believe, a subject of controversy amongst historians why, with the whole of a fair country behind them, the Romans should have devoted so much time, trouble and ingenuity to the reclamation and drainage of so uninviting an area. Whatever the object may have been, there can be no doubt that a very high order of practical science was called into play both in the design and execution of the works.

The barrier comprising the 150 odd miles of Roman and more recent embankments protect against tidal flooding about half a million acres of land, whose present average level is from 2 to 8 feet below high-water spring tides. Its level was not originally so low. Centuries of systematic drainage have caused considerable subsidence, but the fact that for many centuries this great area of land has been protected from tidal flooding to which it was originally subject by the building and maintenance of earthern ramparts is eloquent not only of the magnificence of the initial achievement, but of the care which has since been devoted to the suppression of any influences which might jeopardise their security. Rats, moles and rabbits are remorselessly kept down, for they constitute a serious menace to the very life of those who live and work behind the sea defences.

The zealous care with which the seabanks have always

been guarded may be judged by the wording of an old enactment quoted by Harrison as follows: "Such as have "walls or banks near unto the sea and do suffer the same to "decay whereby the water entereth and drowneth up the "country shall be apprehended, condemned and staked in "the breach where they shall remain for ever a parcel of "the wall."

Whatever one might be inclined to think of the equity of the sentence, I feel bound to record my own opinion that the reinforcement of a tidal embankment with perforated gentlemen could hardly have been in accordance with the best engineering practice.

It would, of course, have been useless to shut out the sea unless means had been provided for the discharge to sea of the land waters. To this end dykes or drains of very large dimensions were cut from the lowest levels within the enclosed areas, and led by what must have been a very precise process of levelling to suitable outfall points in the tidal rivers, whose channels were, of course, embanked as part of the sea defences.

The outfall ends of these drains were protected against tidal entry by sluices with self-acting doors of the kind called "cloughs." Isaac Taylor traces the word "clough" to *cloch*, which is Erse for "stone"; it may be assumed, therefore, that whilst modern cloughs, which are mostly of timber or metal, may afford a better fit, they would not necessarily take higher marks in a durability test against the original cloughs.

Amongst the largest of the Roman dykes that remain is what we now know as the River Witham, which served the double purpose of a drainage channel and tidal canal over which the Roman galleys could be navigated from the Wash to Lincoln, or as it was then known, Lindum Colonia, the colony of the swamp. Part of the swamp from which Lincoln derives its name still remains within the city. It is known as Brayford Mere, and now serves the purpose of a dock basin.

The general system adopted by the Roman engineers for the drainage of the lowlands was that of first cutting a drain

skirting the high land for the purpose of intercepting all the streams and brooks which might otherwise have flooded the low areas, and diverting the water into the rivers. One of the most notable of these catchwater drains was the Car Dyke, which collected the water of the low hills between Lincoln and Peterborough. The Car Dyke is now almost obliterated, but portions of it are still operative as parts of the drainage systems which have their discharge into the Wash.

Ample testimony to the wisdom that designed this system of catchwater drains is provided by the various projects that have been brought forward by modern engineers for utilising such parts of the Car Dyke as bounded the fens then immediately under consideration, and the system of catchwater drains was adopted by Sir John Rennie in many of his recommendations.

After an occupation of more than 400 years the Romans withdrew their forces in the year 420 A.D., after which the country became an easy prey to the Saxons. Within a comparatively short time all traces of Roman government and subjection disappeared, but the Romans had left an enduring stamp upon the country in the magnificent works they had carried out. They had set up for their successor an example of faith in works which has not, unfortunately, been as closely followed as it might have been.

Perhaps the Saxons of the Fen country had too much to do in repelling the periodical onslaughts of the Danes to permit of their devoting time and energy to drainage matters. At any rate the records of their works are unimportant. That they were bonnie fighters, however, is suggested by the fact that to this day there is hardly a Danish derivative in the whole of the Fenland names. Those names are almost wholly Saxon in origin.

As regards any drainage works carried out by the Danes, you will all remember the legend of Canute the Dane, whose courtiers suggested that he had only to order the sea back from the shore for it to obey him, and how he, with a wisdom born of the event, was able most convincingly to rebuke them by proving that lunar influences do not neces-

sarily act in accordance with the preconceptions of lunatics. Well, that story is, so far as I am aware, the only chronicle of any attempt which was made by the Danes to get rid of surplus water.

The efforts of the Normans were of a more enlightened character. Between the end of the eleventh and the middle of the fifteenth century they had not only restored many of the old Roman works but had carried out new schemes of some note.

During the reigns of Elizabeth, James I. and Charles I. there appears to have been a re-awakening of interest in the subject of the reclamation for agriculture of the remaining swamps and meres and marshes.

It is not to be doubted that after the Roman evacuation there was much neglect and very little new work in this direction, although, to a certain extent, the larger of the existing works were kept up both by the Saxons and the Danes. Those who remember Kingsley's moving story of *Hereward the Wake* will remember the description of the morasses and swamps which surrounded the Isle of Ely in Saxon times. The drainage of these areas may not have been attempted by the Romans, but at any rate they were anything but dry land at the time of the Norman Conquest.

Practically it remained for James I. and Francis Earl of Bedford thoroughly to drain the fens according to the designs of the Dutch engineer, Cornelius Vermuyden, who has been described by a modern writer as the greatest drainage engineer of all time. In regard to that estimate I would say that Vermuyden had behind him the example of the Roman engineers, and he had the wisdom to follow it, so whether he was really the greatest drainage engineer of all time must be left to the forum of history to decide. He has left many abiding marks of his genius upon wide and rich areas in the eastern counties, and set an example of high purpose and bold achievement which have earned for his memory the homage of every English drainage engineer.

I referred a little further back to the fact that behind the old banks round the Wash the reclaimed areas have a

level of from 2 to 8 feet below high-water spring tides, and that this is much lower than their original level. One of the effects of the abstraction of water from the soil by drainage is to cause subsidence of the surface, and this fact often gives rise to problems in drainage which may indeed have been foreseen but have to be resolved by mechanical means.

The original drains and their feeders may have been cut to gradients which would ensure a gravitational discharge during some period of the tidal oscillation; but as the drained lands subsided, the gradients would flatten or disappear altogether. In such cases it became necessary to restore something of a gradient towards the outfall point, but the effect of the operation would be to bring the lowest part of the drain to a level which prevented a gravitational discharge for the whole volume. Very early in the history of land drainage such conditions presented themselves; they were, however, promptly met by the introduction of the scoop-wheel. The scoop-wheel has been in use as a machine for lifting water from very ancient times. That the Romans used it is evidenced by the recent discovery of an oaken scoop-wheel, together with other Roman relics, in some excavations which were being made at the Tharsis mines in the south of Spain. This was probably 2,000 years old. The scoop-wheel, of which a sketch is given on diagram 3, revolves in a masonry pit of segmental form, which gives a clearance of from half to three-quarters of an inch for the floats or paddles of the wheel. The wheel revolves very slowly, making, say, six to nine revolutions a minute, gathering or scooping up the water from the drain and discharging it over a cill at the higher level.

Until comparatively recent years almost the whole of the marsh or fen waters which were not discharged by gravitation had to be lifted by means of scoop-wheels, and there are still, in various parts of the country, perhaps as many scoop-wheels as other kinds of plant doing useful pumping work. The original motive power was, I am afraid, manual—a kind of treadmill or endless stairway to which sinners were condemned for the good of their souls

and the development of their muscles. Later, horses or windmills were employed, and there remain to-day many examples of the old windmill scoop plants, especially among the marshes of East Norfolk.

Steam, oil and petrol engines have replaced many of the windmills, and turbines and centrifugal pumps have been installed at many of the pumping stations which were previously served by scoop-wheels; but it must be confessed that the scoop-wheel dies hard, and I think it may be relied upon to survive some of the more modern installations. Diagram No. 3 shows a wheel of 50-feet diameter which is, perhaps, as large as any in this country.

The mechanical efficiency of the scoop-wheel is not high, but as the larger wheels may lift as much as 250 tons a minute, and as the cost of replacing them by more efficient plants would be considerable, they still find much favour especially in situations where the maximum lift is not likely to exceed 10 feet.

It is not to be supposed that the whole of the surplus water from depressed levels must be discharged by mechanical means. Most of the low-level main drains are so arranged as to be able to discharge their top water by gravitation when outside conditions are favourable. Experience seems to show that on average about 60 per cent. of the total volume can be so discharged, leaving the balance of 40 per cent. to be pumped, and this mostly during the period October to March.

I must not leave the subject of low-level drainage without a brief reference to the influence of navigation locks or water-mills upon the *régime* of a drainage system. Where such provisions occur, the effect is to convert the natural inclined plain of a river channel into a series or steps, which renders it impossible to discharge by gravitation into any given step of the channel the surplus water of the land immediately flanking that step. This is roughly indicated by diagram No. 4.

The low-level water must either be pumped over the embankments which confine the navigation channel or mill leet as the case may be, or, as is more common, led by

drains to a point in the next lower step of the system at which it may find a gravitational discharge.

It is sometimes argued by opponents of rating proposals in drainage orders that lands flanking the upper reaches of a "stepped" river system can receive no benefit from works of improvement in the lower reaches. This contention loses sight of the fact that the gravitational drainage of any given area is immediately dependent upon the reservoir and discharge capacities of the section of river channel immediately below it, and thus that the efficient *régime* of each lower section is a condition precedent to the improvement of the lands above it.

I need hardly say that the matter contained in this Paper is of the most fragmentary kind. The subject of arterial drainage is so large, and in some respects so complex, that it would be impossible within a period of half an hour or so to do more than touch the fringe of it; but I trust that the considerations to which I have endeavoured to draw attention may have been to some small extent enlightening and profitable.

No one who is interested in agriculture can but deplore the waste areas which are observable by all who traverse the country either by rail or road. It is impossible to travel any considerable distance without noticing wide areas of potentially good land at present producing nothing but rushes and rank grass, but which might be either turned into good pasture or, better still, broken up for cultivation of grain and other human foodstuffs. The root cause of these manifestations is never very far to seek. Somewhere near these lands there is a watercourse whose normal water level is too high to permit of the successful drainage of the affected areas. Nothing that local farmers or owners may do can be effective until that excess water can be got away; but that is just where the main trouble presents itself. It may be everybody's interest, but it is nobody's business to improve the watercourse and its continuations down to its sea outfall. A thousand and one interests may intervene. It was for the purpose of co-ordinating those interests and establishing authorities having a single responsibility for

the whole of any given drainage system that the Land Drainage Act, 1918, was passed. The process of education may be slower than enthusiasts might wish, but there are already evidences of recognition that sound works of arterial land drainage may be a handsomely paying proposition. At any rate, if wet lands are to be made productive, something more than local and individual processes must be applied.

It has been estimated that there are, at the present time, more than a million acres of potentially good agricultural land in this country which might be either brought into arable cultivation or greatly increased in value as grass land by the improvement of arterial drainage, but which cannot possibly be made productive by any other means. The trouble is in the neglected rivers.

During the war period we were able, somehow, to find about five and a half millions sterling a day for purposes of destruction. Is it beyond the resources of statesmanship, even in the present state of the national finances, to find and spread over five or six years the equivalent of, say, two days' war-time expenditure on the redemption of that million waste acres by the improvement of the rivers ?

A million waste acres and a million idle men ! Surely we are not so bankrupt of resources that we cannot find some means of bringing some of the men to the acres and keeping them there.

AT

THE ORDINARY GENERAL MEETING

Held on Monday, April 7th, 1924,

A DISCUSSION took place on a Paper entitled

THE PLACE OF ARTERIAL LAND DRAINAGE IN AGRICULTURE,

By C. H. J. Clayton, M.Inst.C.E., F.G.S.,

Consulting Engineer, late Chief Drainage Engineer to the Ministry of Agriculture and Fisheries.

Mr. J. I. Davidson (President) in the Chair.

Mr. M. D. Bannister (Fellow), in proposing a vote of thanks to Mr. Clayton for his very able and interesting Paper, said that he had noticed that the gentlemen who rose to propose votes of thanks usually started by "slating" the name of the reader of a Paper and criticising it in a somewhat marked fashion. When he had promised to propose the present vote of thanks he had vainly thought that he was going to be able to do the same thing, but having read the Paper, and having listened to Mr. Clayton's remarks that night, he had come to the conclusion that there was no criticism which he could offer. He thought that the Paper had taught those who happened to live at the upper reaches of rivers rather than the lower that they should really take a great deal more interest in what went on at the outfall than they had done in the past. Those at the top found that by mole-draining, pipe-draining, and so on, they could clear their own land of water, but he was afraid that some

of them rather selfishly forgot all about the unfortunate man lower down. That could not go on indefinitely; something had to happen at the bottom.

There was only one point which he would like Mr. Clayton to explain, and that was what would be his suggestion for finding the money for treating the arterial waterways. It was obvious to any thinking man that such a treatment was highly necessary, but occupiers as a whole were not too flush of money in these times; the landlords certainly had no money, and he was afraid the suggestion that the Government should find money for the benefit of the landlords would not in the present time meet with very great approval. He had no doubt that Mr. Clayton had at the back of his mind some means by which the difficulty could be overcome, and he hoped that in his reply Mr. Clayton would explain his idea as to that.

As he had said, he felt that he could not offer any useful criticism of the Paper, but he had great pleasure indeed in proposing a most hearty vote of thanks to Mr. Clayton for his extremely able address.

Mr. J. E. Bidwell (Member of Council) said it gave him particular pleasure to have been asked to second the vote of thanks to Mr. Clayton, because he had known of Mr. Clayton for a number of years—not personally, but by repute. Mr. Clayton had a well-deserved reputation for knowledge of arterial fen drainage, and before the war had been associated with his (Mr. Bidwell's) father and the late Mr. Grantham on the Government Drainage Commission.

The Paper was a most interesting and clear exposition of what was involved in arterial drainage. To anybody like himself, who had been acquainted all his life with the fens, it was particularly valuable in that it brought out the responsibility which the upland people owed to the land lower down on the levels. At the present moment in his own district an inquiry by the Ministry of Agriculture was proceeding with regard to the Ouse Drainage Act. The main reason why that inquiry had been found necessary was because of the strenuous opposition of upland owners and

occupiers to pay for the drainage of the fen lands below. One often heard it said by the upland people, "What "benefit do I get out of drainage? My land is very seldom "flooded, if ever, and I have nothing to gain by improved "drainage. Therefore why should I pay for the drainage "of lands lower down?" It appeared to him that if the author's Paper were circulated and digested, it would afford an answer to that question.

Mr. Bannister, who was interested in the uplands, took the same point, namely, that up to the present moment he had not fully realised the responsibility there was on those in the uplands in regard to discharge of water on the lands below. The problem, to his own mind, was entirely different from what it had been twenty or twenty-five years ago. Not only was there now better sub-soil drainage of clay soils, due partly to mole drainage which was possible in clay soils, but it was now a simple matter to raise underground water by means of deep pumps and oil engines, and there was also the fact that the amount of water consumed in all townships, and even villages, was very much greater than it used to be. All that water had to find its way to the sea. When it had to find its way to the sea in the eastern counties it had to go through a flat level area. That was one of the reasons why, in the valley of the Ouse, it had been found necessary to promote the Ouse Drainage Act. He hoped that Mr. Clayton's Paper, in that respect, would be very carefully considered.

There was one point about which he would like to ask a question of Mr. Clayton. Mr. Clayton, no doubt, knew that one of the greatest authorities on the drainage of the fens in the seventies and eighties was Mr. Samuel Miller. He had no doubt that Mr. Clayton knew Mr. Miller's book *The Fen Land*; personally he had known it from a boy. Miller's theory was contained in the following extract, which perhaps he might be allowed to read:—

> "The great difficulty in fen draining is to obtain an adequate discharge of the water, the natural fall being slight and the outfalls being gradually choked by material brought up from the sea. In dealing with

nature it is essential, firstly, that we recognise as fully as possible the laws by which she is governed, and, secondly, which of these laws can, and which cannot, be made subservient to our ends. In fen drainage two points are immutable—the actual slope of the ground which cannot be increased, and, indeed, has steadily diminished since the great drainage by the settling down of the peat—and the silting up of the river estuaries which must go on as long as England is an island. If we could increase the velocity of the rivers, they would be able to fight more successfully with the incoming silt, and so clear their channels. Now though we can never attain increased velocity with the same quantity of water on the same slope, yet we can practically attain the same object by passing as much water as possible into the river as high up as possible."

That was contrary to the principle which had been applied by the Dutch drainers. They formed a natural flood area between the artificial rivers which they made, as instanced by the Wash area between the Bedford and the Hundred Foot rivers, and in flood time that tract of land was intended to be covered with water.

He would like the author's opinion as an engineer as to whether he thought the main trouble, and what was going to cause the expense in regard to the Ouse, was the silting up of the channel.

He was sure all the members had been most interested in the Paper, which not only dealt with the practical, but with the historical side of the subject.

Sir Trustram Eve, K.B.E. (Fellow), said it was extremely kind of an eminent engineer like Mr. Clayton to come to The Surveyors' Institution and talk to the members on a subject about which he thought they would all admit they knew next to nothing. Personally he did not know anything about the subject at all, except, as the Irishman said, from what he had learned.

Mr. Clayton was really asking the members to make up their minds on the point as to what was the just way of

taxing and rating people in connection with rivers; what was the fair principle. Mr. Clayton had put it before them that the fair way was to take the length of the river, as one dimension from source to sea, to assume a certain width (as to which Mr. Clayton, if he might say so, had been wisely silent that night) to put that on a sealed map, and then to lay it down that anyone inside that map should pay a rate without appeal and without recourse, to what Henry VIII. had laid down, and which, in modern language, had been turned round into the slogan "no benefit, no rate," or "A "benefit, a rate." If one's property did get into one of those sealed maps, Quarter Sessions told one that the principle which Henry VIII. had laid down did not apply. In those circumstances he thought it was highly necessary that owners should use the powers of veto possessed by one-third the interests affected. If they took a stand there was no power in England, not even the Ministry of Agriculture, which could insist upon having a drainage area at all.

It was a very interesting subject, and as Mr. Bidwell had mentioned the fens, perhaps he might say one or two words with regard to uplands, especially as he happened to be an uplander.

The first point he desired to mention was that all the soil in the fens was the soil which the uplanders had sent down to the fens for millions of years, and that without the uplands the fens would not had any soil at all. That was the first point. The second point was as follows: Mr. Bidwell had quoted Mr. Miller, and he had shown distinctly that the more the land was under-drained the more the ditches were cleaned out, and the more towns there were to pump, the better it was for the scour of the river. Personally he knew only about the Ouse—it might be quite different elsewhere; but that question of scour, to his mind, accounted for the remark of Mr. Clayton, namely, that the farmers had very little faith in engineers. As far as the farmers in his own district were concerned, he could tell Mr. Clayton that that was unfortunately true. Because what happened? If one had a 6-inch pipe and broke into it with two or three more 6-inch pipes, so that

the water had to flow down three pipes for a part of the distance instead of one, the result was that all three pipes got choked. The great Vermuyden found the Ouse, but not content with one river (which had been flowing for hundreds of thousands, if not millions of years before man came on the earth at all, and which had managed to get to the sea somehow) he made two more rivers—the old Bedford river and the Hundred Foot river. The old West river still kept going, and so the water which came down the original Ouse as far as Earith then had three ways instead of one. It was extremely fortunate that the land had been drained in the upper parts and that towns had sprung up. If all that extra water had not been sent down, those two man-made rivers would not be so effective as they were. Then man began to neglect to scour out the Hundred Foot and the old Bedford rivers, and now complained that it would cost a good many thousand pounds to clean them out. So he came and said to the uplanders, "As your water comes down this man-made "contrivance, and as it is out of order, you must help to pay "for it." That request was made as far up as Buckingham, which he supposed was one hundred miles above Earith. Reducing it down to something which could be understood—ancient lights, for instance—the question was, who was dominant and who was servient with regard to the upland and fenland? Surely if a man had a piece of land which was above his neighbour's, he was dominant, and had dominant rights? If a man bought a piece of land which was lower than another piece, he must put up with the disadvantages. What were those fens once upon a time? They were simply the ponds of the uplands and nothing else. There was a beautiful spill-way of five or six miles frontage in which the Ouse just overflowed in flood time, and got away. Then people built a wall and shepherded the water round to those two man-made rivers, and then made a pond, as Mr. Bidwell had said, of some 5,000 acres, called the Wash. Later it occurred to them that that Wash was very good land and should not be a pond any more. So the whole of those ponds, ancient and modern, which used to be in existence

had entirely gone; yet the uplanders were told that they had to pay.

He would ask Mr. Clayton, when he spoke of land being injured, to differentiate between grass and arable, because with regard to the grassland on the Ouse, if they did not have water on it for four or five days, they did not get their manure from Bucks. In the lifetime of many who were there meadows had been absolutely ruined, and were worth one-third of their original annual value simply and solely because the flood water had not stayed on long enough. No one could produce a single man in the Ouse basin who had ever applied a load of farmyard or artificial manure to one of his meadows; yet he had known them mown, every year, without a single break for over thirty years. They got their manure from Bucks, and what they did not want they sent down. The amusing thing was that in the summer, when they did not send down enough water to the fens, those on the fens telephoned up and complained because their water level was too low and that their mustard and wheat were beginning to turn yellow. In 1922 there had been a millionaire owner in the fens who had actually hired an engine to pump water into his ditches in order to save his wheat and mustard. It was necessary to bring it within about 18 inches to 1 foot of his wheat and mustard in order to save it; and he had saved it. Those in the uplands had constant complaints from those in the fens that they did not send them enough water in the summer and that they sent them too much in the winter; but the fact remained that those in the fens were servient and those in the uplands were dominant.

There was one thing which those either in the uplands or in the fens could not understand, and which perhaps Mr. Clayton could explain to them, and that was the modern invention of taking the width of the sealed map to a point which was 8 feet above the highest known flood. A very distinguished member of The Institution had found out the Ministry had asked someone, who had asked someone else, who had asked someone else, who had been told that it was right that wheat should have water within 8 feet of the

top of the ground. That was not what they said with regard to heavy lands. At any rate, that had been accepted as gospel, and the sealed map on the Ouse was in fact intended to run along a contour line which was 8 feet above the highest known flood. Of course there had not been much time to do it, and there were one or two rather grievous errors. He had taken the levels on one farm where the highest known flood level was 60 above datum. The sealed map gaily ran about the 100-feet contour which was 40 feet above flood, which was an error of 32 feet. It was close to the Great Northern Railway, which would make the railway 18 feet under water, and make one continuous sea for 10 miles resting on the Ordance datum of 100 at Bedford. That was only a little "side show." If one went to Quarter Sessions and said that one's property was on the Hundred Foot contour, one found if one had been put in a sealed map that one had no redress whatever under the modern system of getting Acts of Parliament.

He did not know what was going to be the result of the present inquiry now being held at Cambridge, but it was a most interesting case. It began again on the 23rd April, and if one wanted to learn anything about drainage, he was sure that if he went and spent a week or a fortnight, or however long the inquiry might last, one would really get to know something by listening to Mr. Tebbutt, who, he thought Mr. Bidwell would agree, knew more about drainage on heaven, earth, the sea, and the fens than any other living man.

If one had drainage on the brain one was really not fit to speak at any meeting, and he was sorry he had been so long. He would at once resume his seat by thanking Mr. Clayton for having brought the subject before them.

Mr. E. A. Rawlence (Member of Council), in supporting the vote of thanks, said he thought Mr. Clayton's Paper was one of the most interesting which The Institution had had before it for many years. It dealt not only with the practical, but with historical facts, which were exceedingly interesting, and which certainly bore out the fact that the

old Romans had set an excellent example. If later generations had gone round the coast of Great Britain, and had followed the example of the Romans, and had taken in a great many of the mud-lands which were now lying waste, the country would have been much better off. The Roman example of keeping up a sea-wall, he supposed, could not be followed; but still that had been a very practical way of meeting the difficulty, and had kept out the sea for the last fifteen centuries, and would no doubt keep it out for future centuries. The old enactment quoted by Mr. Clayton rather reminded him of the old by-laws of Hammurabi, King of Ur of the Chaldees, which said that "If a builder has built "a house for a man and has not made strong his work, and "the house he built has fallen, and he has caused the death "of the owner of the house, the builder shall be put to "death," and that if the owner's son was killed, the builder's son was to be killed, and if the owner's slave was killed, the builder's slave should be killed. The effect of those old by-laws had been that some of the walls of Ur still stood and the foundations still existed after 4,000 years. At any rate they had prevented jerry-building!

Mr. Clayton had dealt mainly with the eastern coast. His own acquaintance was rather with the south-western coast and with the drainage systems in Somerset, more especially on the great marsh-lands of King's Sedgemoor and Wedmore, on either side of the Polden Hills, where there were systems which corresponded very closely with those in the fen-lands. It was interesting to him to note that Mr. Clayton stated that the lands in the fens were fringed with lias. In Somerset the great fen-lands were also fringed with lias. Why that should be he did not know.

There was very much the same trouble in the south-west as that of which Mr. Clayton complained in the east, namely, the upland farmers were dead against a drainage system—and for the same reason. In his early days the drainage rate was stepped down according to the height above Ordnance datum. Then some individuals on the estuary had found out that that was not a legal way of doing it and that there ought to be one uniform rate. They

took the matter to the courts and they were upheld, with the result that the upland men had now to pay the same rate in the pound as the men in the estuary. That had caused trouble. Personally he believed the old system was the fairest way, because although the uplands no doubt derived a certain amount of benefit from the outfall works being kept in order, it was really not fair to rate the uplands at the high rate mainly caused by the necessary costly works to maintain the lowlands and tidal waters. There was some of the finest grazing land in England on those lowlands, and it had been argued that there was a tenant-right in the higher and poorer uplands whose soil was said to be washed down to form the good land of the estuary. In fact, taking Sir Trustram Eve's idea, one might almost charge a tenant-right for what was sent down from the uplands. The matter certainly needed readjustment, and, speaking seriously, he thought that if an equitable and common-sense system were adopted, it would do away with a great deal of the objection which farmers had at present.

He thought also that much benefit would arise if all the wretched little mills, which at present existed over the country, were done away with. They were simply blocking the waterways as their trade had mostly disappeared, and they were doing no corresponding good. If the net rateable value of those mills were taken and spread over the land at a rate per acre, and if those mills were done away with, it would be of immense benefit to the neighbourhood by freeing the waterway, and the miller also would find himself better off in the long run. He had in mind particularly the Dorset Stour. On that river mill after mill was spoiling some of the finest grazing land in England. If county councils or parish councils, or both, were given the power of inspecting the river courses annually and insisting on joint and adjoining owners keeping the main courses clear, that would go a long way to meet the difficulty. There was no doubt that many rivers were in a shocking condition, with trees, bushes and sandbanks in the middle of them stopping the waterway.

Mr. Clayton had not referred to the ordinary underground drainage. To his mind that was one of the greatest needs of the country, but it could not be carried out now. Years ago, when the cost had been £5 to £10 an acre, a farmer would pay 5*s.* or 10*s.* per acre quite readily and never complain: but now it was impossible, owing to the cost of labour and pipes being nearly doubled. Complaints were made about cows being tuberculous, having to lie down as they did on waterlogged land. If human beings had to lie in wet sheets he was sure they would soon suffer in the same way. He would like to see some help given to the landowners in order to get drainage done. There had been a wonderful example of the benefit of dry land in the season of 1921. He had never seen pasture land improve as it had done since that period. Since that season anyone going over the land with his eyes open could see it covered with the roots of dead carnation, and other weeds and course grasses, which the cows had pulled up in grazing and ejected, and since then pasture land had improved shillings per acre. There had also been a good system of natural drainage created on the pasture lands through the fissures in the land caused by the drought; and although there had been a great quantity of rain during the past winter, he had hardly yet been on a really wet pasture land; after one or two days of dry weather the water soaked right away. If assistance could be obtained from the Government to carry out arterial and surface drainage, it would be of the greatest possible benefit to the country, and afford a remunerative winter employment to many agricultural labourers who were out of a winter job.

He was personally much obliged to Mr. Clayton for having brought the matter forward in so practical a way.

Mr. W. R. Elgar (Fellow) said two speakers had referred to the Ouse, and another had referred to the West of England, and their remarks had been most interesting. Personally he desired to speak about the south-eastern seaboard of Kent.

The Paper and the discussion went to show what a

varied subject land drainage was. Sir Trustram Eve had spoken about the silt from land restoring the pastures in the same way as one read of the Nile overflowing her banks, and, therefore, the owners of adjoining land would be losing their privileges if the water did not overflow. In the large area of Romney Marsh, which had been so extremely well managed by the ancient Commissioners of Sewers, if there was any flooding at all those ancient and honourable office-holders would be extremely unpopular. No flooding was encouraged. It might be — he did not know — that Sir Trustram Eve might say it was because the upper lands were poor and had nothing to pass on to the low lands. The fact, however, did remain, that if that land were flooded it was held to be extremely bad management. In that neighbourhood the most extraordinary sea defences had to be kept up. That work was done by local owners and other gentlemen, who gave their time, and a few paid officers. As a rule it might be said that the tenant paid perhaps 2*s.* 6*d.* and the landlord the remainder.

There was one paragraph in the Paper which he did not quite follow. Mr. Clayton said: "If that was a reasonable "estimate in 1877, what estimate should be placed upon "the additional discharges due to another forty-seven years "of systematic under-drainage?" What did Mr. Clayton mean by "another forty-seven years of systematic under-"drainage"? With regard to the particular part of Kent from which he came, that part adjoining the Isle of Sheppey, he supposed half of it was drained by his late senior partner, Mr. George Webb, and that work had ended about thirty-five years ago. His own firm then used to employ 80 to 100 regular drainage hands every winter. Those men had now gone. As far as he knew, no new drainage had been carried on certainly for thirty-five years. The way it had been done had been an excellent one. The money had been found mostly by the Lands Improvement Company under Government authority. The money was paid off in so many years. The average cost had been from £9 to £12 an acre. The extraordinary thing to those who did not know was that the lower drains always ran first; that was to say, if one

had drains at 4 feet, they would always run before the drains at 3 feet, and did so to-day.

A good deal of the land had since been sold at less than the actual drainage cost. In all probability the chief reason why drainage work had not gone on was that heavy wheat land had not been profitable enough to warrant the incurring of such a large expenditure. He would like Mr. Clayton to explain what he really did mean by the extra forty-seven years of systematic under-drainage. It might be that in other parts of the county it had gone on, but in his own part it had not. An interesting incident in regard to that had come under his knowledge during the war. They had had a most energetic general there, who whenever he saw a nice piece of land at once started making trenches in it, and he trenched gaily through some very big drainage areas ; he cut the main drains and he cut the feeders, and the whole of the trenches were swamped. Nobody knew how to relay them. Engineers and all sorts of people were called in. He (Mr. Elgar) happened to know an old wagoner, over 70 years of age, who had been one of the original trench gang, and he told the general about him. That old man had the proudest time of his life for about three months; he had been put in sole charge of several hundreds of His Majesty's troops, and those drains had been well and truly relaid.

He thought that many of the members would be extremely pleased if something in the nature of the punishment which was meted out in the old days, according to Mr. Rawlence, were carried out to-day, although perhaps not in quite such a drastic manner. He believed he was right in saying that if A, B, C and D all had kept up their sea defences, but E (an adjoining owner) let the water in, they had no remedy whatever against E. That state of things ought to be altered, and in any re-drafting of the Acts that disability ought to be seriously considered.

For his sins he had been chairman of the County Council Drainage Committee which had been dealing with a matter which had given rise to scare lines in the daily papers; that was the Upper Medway drainage, where

Mr. Clayton used to give his very able assistance. He was bound to say that he thoroughly agreed with the criticism of Sir Trustram Eve but from quite a different angle; that was to say that 8 feet above known flood level was quite inadequate. He went very much further, perhaps, because he was looking at it from a different angle than some other speakers. He would like to see more power given to those committees which had to deal with such matters. What was found there? One found that the land along the river bank perhaps worth 25*s.* or 30*s.* an acre—perhaps some of it worth 15*s.* an acre—was to be "scotted"; but when one got to 8 feet above the flood level, the fruitful hopland and the fruitful fruitland escaped scot free. It was a fact that farmers did not quite like sharing each other's burdens, but he was bound to say that he had very great sympathy with those who were nearer the river bank, because under the Act it was quite impossible to "rope in" any of the more fertile land. He would very much like to see wider powers and more elasticity given in that direction. He did not think that a drainage area would ever be thoroughly dealt with—such as the Medway—unless greater powers were conferred.

Mr. John Watson, M.B.E. (Fellow), said he desired to express his gratitude to Mr. Clayton for having given the members such an excellent and inspiriting address. He had made a subject which was possibly somewhat a dull one extremely interesting by the way in which he had put it together. He would also like to say the following about Mr. Clayton's ability in that respect, if he might do so in his presence, namely, that some years ago Mr. Clayton had been endeavouring to persuade various local drainage committees and bodies to unite and to enlarge their borders. He had a most persuasive way in getting people to agree. At those meetings the various people had all agreed, and then some malcontent had stirred up trouble, and one objector had been sufficient to spoil the whole thing. That was the weak point in the 1918 Drainage Act. He thought that measure was far too tactful. Instead of allowing all those drainage

authorities to "scotch" the alterations of the boundaries at their own sweet will, the Ministry of Agriculture should have retained sole control in that respect and should have had the final say in the matter. He was quite sure it could have been done at the time, and it would have been a great advantage. An improvement in that direction ought to be made now.

Most of the remarks which had been made that evening had been in favour of the uplanders. Personally he would like to say a word for the under dogs, particularly with regard to rivers. The rivers were the main sources by which water was got rid of; they took their water from the uplands. The uplanders said that they had a prescriptive right to shed that water without any let or hindrance upon the people below. Sir Trustram Eve had said that they had actually supplied the lowlanders with their land. The lowlanders were much obliged for that, but they did not want any more land sent down in the river, and if the uplanders would now either take the débris from the water which they sent down and restore it to the hills, or even put it on the banks, the lowlanders would be extremely pleased. It was a contribution which they had not asked for and which they did not want.

If any of the members had had the opportunity of standing on the burst banks of a river and seeing a large navigable river gradually washing away the whole of the bank, and felt themselves to some extent responsible for that work, he thought they would sympathise with anybody who suffered from it. Those banks in many places had no sort of person in authority over them. In many places it was supposed to be the duty of the riparian owner or occupier (nobody knew which) to put the banks right and to keep them right. There was one instance which he thought was worth quoting. It had come under his own observation and under the observation of others, and of the Ministry of Agriculture. It was that of a navigable tidal river which was capable, when it was put in order, of taking a fair-sized vessel. On the banks of that river there were some small owners and occupiers of allotments, per-

haps 20 or 30 yards wide and 200 yards long. While the war was on, people were able to do a good many things which they had not been able to do since. The Ministry of Agriculture kindly provided some money to improve the channel of that river, which was holding up about 40,000 acres of land. There had been one condition, namely, that anybody who was found to be liable to keep that river in order should be made to contribute his share. The work had been done, and afterwards those wretched allotment-holders, people who worked all the hours God sent them, and who had no money at all, were asked to contribute their share. Somebody at the time had said that it showed rather a lack of humour at the Ministry of Agriculture, but he was inclined to think that there was a humorist at the Board of Agriculture. He thought that was one of the finest pieces of propaganda which could possibly have been provided, if it had been used properly, for the purpose of taking that duty away from the riparian owner. It was not that person's duty at all, in his opinion; it should not be, but it had been put upon him.

People upon the upper reaches might have some reason for saying that in years gone by when a comparatively small quantity of water had been sent down the rivers they had the right to send it down, but since that time they had added enormously to the burden on others by way of increased drainage, and by sending down vast quantities of solids in their sewage, and also by taking water completely out of one drainage area and sending it down over the hills into another, thereby putting all that extra water into the river. In his opinion they had no prescriptive right to do that, and he thought there ought to be some general contribution towards the cost of dealing with it. As nationalisation was in the air, he would propose that all rivers should be nationalised straight away for all purposes, and that there should be a Rivers Board which would control them, not only with regard to keeping the channels and banks in order, but also with regard to seeing that water was not unreasonably poached out of one area for the advantage of another. Such a Board should also

have the duty of keeping the rivers clean and free from pollution.

That brought him to a very curious anomaly, namely, that apparently if a river or a stream was tidal anybody might put crude sewage into it. There was in existence a drain which he knew quite well, which was many miles from the sea and which was said to be tidal. It had been decided by counsel, who had been consulted on the subject, that a fair-sized town had the right to put the whole of their crude sewage into that stream, and they had done so. That was certainly an anomaly which ought to be altered. He thought that all rivers, especially tidal rivers, ought to be under one authority. Whether it was right for the county council to deal with a river which came entirely within its own borders was another matter; if that was held to be a good thing, it might be all right; but whatever happened, one authority should be in charge of one river from start to finish. Whatever could be got from the local authorities in the matter of contributions towards keeping it in proper order, well and good, but the bulk of the money should come from national sources.

Mr. T. W. Whitfield (Fellow) said the discussion seemed to have centred around the opinion of the uplander and that of the lowlander as to the value of drainage. As far as he could gather, the lowlander in most parts of the country appreciated drainage, but to the uplander it was immaterial whether he had it or not. He had had the privilege of working for the last four years in an upland county, Wiltshire. After listening to Mr. Clayton's interesting Paper, perhaps the first thought which arose in one's mind was that arterial land drainage had not yet taken its proper place in the agriculture of this country, although drainage works had been carried out and their value appreciated from very early times. There must be some reason or reasons for that.

Mr. Clayton had emphasised the necessity for dealing with drainage works systematically, thoroughly, and in their entirety. To do that, the co-operation of all concerned

was essential in order to ensure that any benefit derived from the work in one area should not be obtained at the expense of another area within the same system. Whilst that co-operation was essential, if it was to be obtained it was equally essential that the proposed works should be economically sound, that was, the result obtained from such works must fully justify the expenditure.

In that connection interests other than agriculture often derived benefit from drainage works, as, for example, the public health, the highways and railways of the district—fishing, milling, irrigation, and navigation rights. To those must be added the value of the work from a national point of view, including the provision of employment in rural areas and the resulting increase in food production.

Mr. Clayton had referred to the fact that money expended in cleansing and improving arterial waterways serving purely agricultural areas was a profitable investment, but that the difficulty in such cases was to induce the farming community to repose any faith whatever in the schemes of engineers. He imagined that most members present would agree with that statement, but he ventured to suggest that the fault could not be laid entirely on the shoulders of the farming community. They, as surveyors, knew the value of land, and were able to judge the extent to which it was capable of being improved by drainage works, but were they not too apt to try to force on the agricultural community work which they knew would be for its benefit? However sound such work might be, was it not doomed to failure if it had to be carried through against opposition? For it had to be remembered that it was the farmer who had to turn such work to advantage, and unless he was favourable, what was the chance of success? They were all aware of the critical period through which agriculture was passing at the present time. The English farmer was, without doubt, very conservative in his business. He did not take kindly to anything in the nature of an experiment, but if the English farmer was anything he was shrewd, and whilst the average farmer kept few accounts, he was not slow at taking to a thing once he

had satisfied himself that he would derive some benefit from it.

Mr. Clayton had clearly illustrated that for any drainage works to be a success they must be systematic and thorough, and that for that purpose the co-operation of all concerned was essential. He had also mentioned that the process of education in that direction might be slower than enthusiasts might wish. The organisation of land drainage schemes was entirely a matter of educating the agricultural community, so that any demand there might be for such works should come from within—that was, from the man who had to turn the works to advantage. The difficulty would be considerably reduced if those concerned were consulted, thus keeping alive local interest.

The Wiltshire farmer had attributed to the animal from which our famous bacon was obtained the saying "You may "push Oi, you may shove Oi, but be blowed if Oi'll be "drove." He was going to show that the farmer, too, could be persuaded and led, but not driven.

In November, 1921, the Drainage Committee of the Wilts County Council, in conjunction with the Ministry of Agriculture, put forward a scheme which provided for the systematic improvement of 44 miles of main watercourses within the Pewsey Vale in the centre of the county, in which 104 landowners were directly interested. No drainage authority existed, and if anything was to be done to improve the drainage of this area, it was necessary to obtain unanimous agreement from all concerned. Before proceeding, an enquiry was held at Devizes for the purpose of explaining the scheme, giving an estimate as to the cost, and obtaining the views of the interested parties. The meeting had been well attended, and the scheme had been met with very strong opposition, being criticised as impracticable and impossible. The chairman had been obliged to withdraw the scheme, the meeting having failed to respond, when, at the close, he had asked for a resolution. The chairman had assured those present that the committee had no desire to force or rush the meeting into any decision which they might regret on the morrow. During the next

two years the committee diverted its attention to other work in the county. The Pewsey farmers had waited and watched, and no doubt had discussed the results of drainage works with those on whose land schemes had been carried out. Last November, as a sequel to the Devizes meeting of 1921, the county committee had received a request from the Devizes and Pewsey Branches of the National Farmers' Union suggesting that a drainage scheme should be organised for the systematic improvement of the valley, and the National Farmers' Union offered to assist the committee in the matter. Accordingly another meeting had been held at Devizes, and a scheme identical in every respect with that which had been put forward two years previously had been submitted to the same farmers for their consideration. At the close of the meeting, one gentleman, who had vigorously condemned the scheme at the 1921 enquiry, had moved a resolution in favour of it, and it was carried without a dissenting vote. At the close of the meeting 33 agreements had been obtained from farmers undertaking to co-operate, and within a month every owner had agreed to contribute towards the cost of the necessary work on his property. At the present time 56 men, representing every available unemployed man in the district who wanted work, were engaged in removing obstructions which had been systematically accumulating within the memory of the oldest inhabitant. It might perhaps be too early to express a definite opinion as to what the result would be, but the saturation level had already been lowered by an average of 18 inches, and he had every reason to believe that 1,300 acres of what was a derelict swamp would be converted into valuable pasture, and that the benefit of the work would extent to a very much greater area adjoining the swamp, and that at a cost of £6,000.

In Wiltshire there were to-day 945 men engaged on those unemployment works throughout the county. Before any scheme was put forward a local advisory committee was appointed; that committee in turn appointed from its number an honorary supervisor, who assisted the county committee in the management of the work, and so formed

a valuable connecting link between the parties directly interested and the county authority, which in turn formed a second link with the Ministry of Agriculture.

He desired to take the present opportunity of referring to the assistance which fellow-members of The Institution had given to land drainage work in Wiltshire, both in advising agriculturists and as honorary local supervisors.

Whilst a drainage scheme organised on voluntary co-operative lines had everything in its favour, it had one very serious defect, namely, that whilst one might be able to get 98 per cent. of the parties interested to co-operate and carry out works for the mutual benefit of all concerned, sooner or later one met the man whose nature and habits would not allow of his working in conjunction with his neighbour; yet such a man's co-operation was essential.

With a view to overcoming that difficulty, the Wilts County Council had recently put forward the following resolution to the Agricultural Committee of the County Councils Association, which had been endorsed by many other counties and carried: "That the excutive council be "recommended to call the attention of the Minister of Agri-"culture and Fisheries to the serious defects in the law "relating to land drainage, and to request him to take "parliamentary action with a view to county councils being "invested with powers to proceed (subject to an appeal "to the Ministry) with desirable land drainage works under "schemes which have been promoted by such councils and "which have received the assent of not less than 80 per "cent. (on a financial basis) of the landowners interested, "and to recover from such persons a proportionate share of "the total cost involved."

However desirable such compulsory powers might be, he was convinced that better and more lasting results could always be obtained from properly organised voluntary schemes, but those compulsory powers were required for use as a last resource, and should be used only when it was certain that the necessary co-operation could not be obtained without them, because no one liked to be made to do a

thing against his will, and far better results could be obtained by getting every shoulder to the wheel.

Whilst the result of improvements carried out on arterial drainage channels was very apparent to those directly concerned, he was afraid that opportunities were often lost of obtaining what was perhaps the only conclusive proof as to the result of the work, and certainly the only one that could be expressed in figures. He referred to actual records of rainfall and resulting floods taken over equal periods of time before and after the drainage of an area was improved. He had been able to obtain only one such set of statistics, but they had certainly exceeded expectations. Last spring some 12 miles of the Semington Brook, which in places resembled a submerged forest, was freed from obstructions, 150 unemployed men being engaged on the work for three or four months. The rainfall was measured locally for the four months immediately preceding the work, and the duration of floods on the main road were recorded. The same records were taken during the winter following the work. The rainfall for the four months ending 31st January, 1923 (before the river was improved) was 9·94 inches, and the duration of the resulting flood on the main road at Semington was 82 hours. Last winter, after the work was carried out with the rainfall of 14·98 inches, being half as much again for the four months and double the January rainfall, the resulting flood was $4\frac{1}{2}$ hours' duration.

The vote of thanks was put to the meeting and carried with acclamation.

Mr. Clayton, in reply, said the hour was so late that he proposed, with the members' permission, to send in his reply in writing. He thanked the members for the vote of thanks which had been moved in such eloquent terms by Mr. Bannister, seconded so cordially by Mr. Bidwell, and received so kindly by the meeting. He could say a good deal about the difference between uplands and lowlands, and with regard to the Ouse, he always felt that the Ouse was like the poor—always with them. He should be disposed to avoid that

thorny subject. He noticed with some amusement that there were points of difference between Mr. Rawlence and Mr. Elgar on the one side, and Sir Trustram Eve on the other, and he would have to leave those gentlemen to compose their differences in regard to the value of the contributions obtainable from the uplands. He would content himself at the present juncture with thanking the members most cordially for their kind reception of the Paper.

The following written reply has been received from Mr. Clayton :—

I have to acknowledge, with gratitude, the very kind vote of thanks which you have passed, and beg to thank all those gentlemen who have contributed to the discussion for their far too complimentary references to my Paper.

Mr. Bannister was good enough to say that he had no criticism to offer, but I am sure he will forgive me if I suggest that his question as to where the money for arterial works was to be found is a very critical question indeed. Frankly, I do not know from what source, other than national funds, the very large expenditures necessary to put the agricultural rivers in order could be found. I may, however, express the opinion that the Development Commissioners would probably find it difficult to select a more worthy allocation of funds than for works of arterial land drainage, or one that would be more certain to produce profitable results to the community.

Mr. Bidwell's reference to Miller's suggestion, that the pouring of water into a river channel may assist to ensure its due discharge, is more than appropriate. I agree that velocity and scour would both be enhanced by added volume and that they would be valuable assets if the channels were in order, but the whole object of my Paper is to emphasise the fact that the channels are at present so foul that they are incapable of discharging ordinary flows, and that any appreciable access of water must, therefore, at once set up flood conditions in the valley lands. A heavy flood may of

itself do something to improve its river channel by scouring away accumulated shoals, &c., but it may first of all carry away protective embankments and inundate wide areas before it settles down to its scouring work in a foul channel.

I have little hesitation in suggesting, in reply to Sir Trustram Eve's enquiry as to the appropriate dimensions of a rating area for drainage works, that they should be those of the catchment area. I am, of course, aware that this suggestion raises the whole question of benefit and perhaps also of dominance and servience, but I am honestly of opinion that a readjustment of our views on these subjects is long overdue, and that if it can be proved, as I think it can, that in this matter of efficiency of the agriculture rivers the general well-being of the community is at stake, the State should step in with the necessary legislative or other remedies.

Sir Trustram Eve mentioned a matter with which I am all too familiar, namely, the plea of those who are asked to pay drainage rates that floods are beneficial to grassland. Unfortunately, that plea is not tenable as regards heavy clay soils; but even if it were as true as it was persistent, it it would seem to afford the best possible reason for doing nothing to the rivers and for keeping lands down to grass instead of ploughing them out; it might also furnish an excuse for the occasional drowning of the contiguous arable areas. If for "flooding" I may substitute "controlled irrigation," the plea might, I think, "hold water."

I dare not follow Sir Trustram Eve in his excursion into the Ouse Valley; I had too much to do with the fixing of the boundaries of its rating area; but I may suggest, with all diffidence, that it was not by any means an easy task, and that if some inconsistencies of level have been discovered, I hope he will try to think indulgently of an old and sometimes harassed public servant who earnestly tried to be fair.

I am whole-heartedly with Mr. Rawlence in his condemnations of the continued existence of needless mills and weirs, and am certain that they are the cause of flooding and waterlogging over immense areas in the upper valleys of

many rivers. The same may be said of derelict navigations, of which there are a very large number up and down the country.

Mr. Rawlence has referred to the improved values of pasture lands as a result of the dryness of the year 1921, the driest year for 143 years. When two such eminent doctors as Sir Trustram Eve and Mr. Rawlence are so hopelessly in disagreement, who shall decide? Sir Trustram Eve's friends of the pastures and meadows want floods and plenty of them; Mr. Rawlence's friends having similar interests, appear to have satisfied themselves that bone-dry grasslands are worth shillings an acre more than wet or moist grasslands. As I am no agriculturist, I must leave those two distinguished protagonists to compose their differences if they can.

Mr. Elgar's reference to the Romney Marsh administration is both valuable and interesting. The marsh was, I believe, one of the first of the areas for which a commission of sewers was issued. I think it was during Elizabeth's reign. The commission appears to have done its duty by its charge in a manner which offers a most worthy example to many other authorities of like nature. I need hardly record my agreement with Mr. Elgar's suggestion that 8 feet above flood-level is too narrow a margin for rating, or that I concur with him that wider rating powers are needed if the necessary works in the rivers are to be carried out with money raised from agricultural lands alone. My own view is that national funds should be applied towards the cancellation of the arrears of work in the rivers, and that the watershed areas (doubtless with the aid of contributions from other interests than those of agriculture alone) should then be charged with river maintenance.

As regards my reference to "another 47 years of "systematic under-drainage," this may possibly be less true of Kent than many other counties; but the fact remains that under-drainage has gone on continuously all over the country, and that the added discharges into the open channels have aggravated the conditions of the waterways quite appreciably.

I do not think I should be prepared to adopt Mr.

Watson's suggestion that the rivers should be nationalised; but I certainly think that any national agricultural policy which omitted the subject of agricultural river improvement and maintenance would fall short of obvious needs. I agree that counties are seldom suitable units for river administration purposes. Their boundaries too often coincide with the *medium filum* of a river or cross its main channel. If a "scientific frontier" is to be adopted, that must, in my opinion, be the line of the watershed and no other. Mr. Watson has probably read the reports of the Commission on Water Power Resources. That Commission proposed the establishment of a new public department which should have the duty of co-ordinating as far as might be practicable all the interests of any given river system, *i.e.*, water supply, power, navigation, drainage, sewage disposal, and all else. What has become of that recommendation? Perhaps Sir Eric Geddes might best be able to say, but it has remained, in the meantime, to Mr. Watson, Mr. Whitfield, and a few other devout missioners, to preach the urgent need for "something "to be done" if the rivers are to be put into a condition to discharge their first proper function of carrying away surplus water from the soil to the sea.

Paper 484.

MINING SUBSIDENCE.

By Cecil H. Bailey (Fellow).

To be read at the Ordinary General Meeting of The Surveyors' Institution on Monday, 5th May, 1924.

Subsidence may be defined in general terms as the effect on the surface of land caused by the working of minerals below.

In this country coal is the most important mineral worked, and this discussion of the subject of subsidence will be confined to that caused by the working of coal. Subsidence caused by the working of other minerals is not intrinsically different, but it is convenient to refer to coal workings more especially, although the most serious problem in subsidence in this country was produced by the pumping of brine in Cheshire. The subsidence was so great, and the damage caused by it so serious, that a special Act of Parliament was passed to deal with it. This Act is the Brine Pumping (Compensation for Subsidence) Act, 1891. No further reference to this will be made in this Paper because it is a subject with which only those who have had experience in it can deal, and the methods applied by it to the special circumstances are not applicable in general.

It is important to distinguish two things :—

(1) Subsidence or simple lowering of the surface ;

(2) Damage by subsidence.

Except in rare cases it is impossible to work any minerals, and particularly coal, without causing subsidence, that is a lowering of the surface level, unless the area worked is small and at a depth which has some comparative relation to the area worked. That is to say, that a thin

deposit of mineral worked out of a small area at a great depth may cause no subsidence, but the limits are narrow, and for all practical purposes it may be said that no coal worth working can be gotten without causing subsidence to the surface.

Subsidence is one thing, damage by subsidence is quite another. A very great deal of coal, probably the bulk of coal worked, is extracted without causing damage in any way. Damage which does occur is caused in the first instance by the lowering of surface levels after extraction of mineral below. The legal aspect of this matter is dealt with later on, but it is useful here to elaborate the various ways in which damage may occur :—

1. The flooding of land caused by the general alteration of drainage levels. This may cause land, previously above the flood level of a river or stream, to be sunk below it, or the level of artificial drains may be altered and the drains themselves actually broken.

In this way even high-lying land may be spoilt for the growing of crops or any other agricultural purpose.

2. The surface of the ground may actually be broken, and the break shows itself in the form of a crack. In this connection a crack is either an abrupt alteration of surface level forming a ridge or an actual gap in the surface. Cracks of either kind occur even where the surface deposit is a soft gravel and the workings at a considerable depth. I have had experience of a crack of this kind which had to be filled in at considerable expense. The surface formation was soft gravel, and the crack was over 100 yards long, about 10 feet deep, and in places 3 or 4 feet wide.

3. Roadways are often damaged by cracks which cause either breaks or ridges which may be anything from slight unevenness in the surface up to a few feet in depth. Roads may also be flooded and rendered impassable by being lowered below drainage level.

4. Sewers, water mains, gas mains and electric mains

are all subject to damage, either by the alteration of level or by breakage.

5. Buildings also suffer damage by cracking and the alteration of levels.

Mining engineers to-day generally are of opinion that the working of seams of coal of ordinary thickness at depths of anything over 500 yards can be carried on without causing serious damage to structures on the surface, provided the coal is worked properly, that if pillars are left they are in the proper position and of adequate size, and that the buildings and works on the surface are of the stability, strength and character to withstand the movement to which they are subjected. This has impressed itself so much on mining engineers that a few years back a Paper was read before the Institution of Mining Engineers, which was entitled "Why leave Shaft Pillars?" So far, however, no one appears to have had faith enough to make the experiment.

Coal seams of more than an average thickness, of 3 feet or 4 feet, and worked within 300 feet of the surface, are in a class by themselves. The thickness of the overlying strata is not sufficient to allow of the settling effect which the working of thin seams at a greater depth produces, and in these cases it is not possible to work the coal without doing serious damage to the surface and the buildings and works on it.

An extreme, but not unusual, case arises when a thick deposit of, say, 20 feet is worked at a depth of the order of 100 feet or less. In this case the surface will be almost entirely destroyed for any useful purpose.

The mining engineer, however, wants information which will enable him to predict in any particular case what the effect of subsidence is likely to be, and for this purpose he must have reliable data as to—

(1) The amount of subsidence, that is, the actual amount by which the surface is lowered;

(2) The extent of the subsidence in area.

Experience has long established that certain general

effects may be expected, but we are still without facts and figures which can be looked upon as authoritative and used with confidence. A Committee of the Institution of Mining Engineers is now dealing with this aspect of the question, and it is to be hoped that they will succeed in ascertaining some facts which will help us all in the future. As might be expected, this subject appears to have first been seriously studied in the middle of last century at a time when coal workings in Europe were beginning to extend under greater areas than before.

Of the two points mentioned above that relating to the *area* of surface subsidence has received more attention. The reason for this is that in the majority of cases the area likely to be affected by subsidence is of more importance than the amount of subsidence caused. The possibility of damage to a structure on the surface is not governed by the amount of subsidence to which it will be subjected, and it is much more important to determine whether it will be within the area subjected to subsidence by the working of a given area of coal.

Most of the investigations, therefore, have been carried out for the purpose of determining the manner in which the line of break is carried to the surface through the rocks lying above the coal.

In 1858 the first investigations made led to the formulation of what is known as "the law of the normal." This law stated that the angle of fracture is perpendicular to the plane of the coal bed.

At that time, too, it was thought that the break would extend to the surface irrespective of the depth of the workings.

Ten years later it was decided that packing the goaf or excavated space gives no guarantee against damage to the surface, and at least half the area of coal worked must be left in the form of pillars to effect this.

"The law of the normal" did not hold the field for long. It soon become evident that the effect on the surface covers a wider area than that covered by the workings of the coal, and by 1875 it had been laid down that the line of

break was somewhere between the normal and the vertical. Most subsequent investigations have gone to determine the angle of the line of break.

For this purpose Fayol in 1885 conducted a series of experiments, from which he developed his dome theory. These experiments have been described by Dr. Galloway in a Paper read before the South Wales Institute of Engineers in 1897.

These experiments and the conclusions drawn from them have commanded a good deal of attention. They no doubt illustrated what takes place when coal is worked, but it is a mistake to place too much reliance on them, chiefly because conditions in actual fact are very much more complex.

It remained for Mr. Joseph Dickinson to point out that the direction of the angle of break may be judged by the direction taken by naturally occurring breaks, known to geologists as "faults." He investigated the slope or hade of a large number of faults, and found that in horizontal strata the slope averages about 1 in 3·07 from the vertical.

Mr. O'Donahue has also done work on the subject, and for some years his formula has been available for use.

His evidence before the Royal Commission is one of the most valuable contributions to the discussion of the subject which has been made in recent times.

While mentioning his name I must refer to the monograph on this subject to which he was kind enough to draw my attention. This monograph, published in the United States, is called "Subsidence resulting from Mining," and is by L. E. Young and H. H. Stock (University of Illinois Bulletin, Vol. XII., No. 49, 7th August, 1916). This is a very complete *resumé* of the whole subject.

Some attempts have been made at various times to deal with the subject in a mathematical way. In particular this has been done by Halbaum and Knox, and more recently in a series of Papers by Statham in the *Colliery Guardian*.

It seems a mistake, however, to carry consideration of the subject too far into the region of mathematics when the actual data are so uncertain. Although in any particular region experience may produce sufficient data to enable

some sort of prediction to be made as to the ultimate effect of the working of a seam of coal or deposit of mineral in that region, the factors are so varied over the whole that it seems to be an impossibility to lay down generalisations upon which mathematical calculations can be built up and for these mathematical calculations to be of general use.

For this reason it appears to be a mere waste of time to attempt any sort of mathematical argument.

In spite of all this work carried out at various times by different men to investigate this subject, no serious concerted attempt has ever been made to correlate these observations and reduce them to order.

It is universally recognised that the line of fracture on the surface is in advance of the line of workings underneath. The distance between the line of fracture and the vertical over the edge of the working is commonly called "the "draw," an expression which no doubt arises from the idea of a "pull over." "Draw" is best expressed as a percentage of the depth. Engineers differ very much as to what should be allowed for draw. It was stated in 1896 that the Caledonian Railway allowed something less than a quarter of the depth of working around their bridges. In some cases as much as one-third or a half is allowed. By the Mines (Working Facilities and Support) Act, 1923, the distance from a railway of half the depth of the working has been fixed as that within which workings are not to be carried out without notice to the railway owners. This indicates that the general consensus of opinion is that the draw never exceeds this amount; and no doubt where safety has been desired, this is a width of pillar most often provided for by mining engineers.

There are, of course, a large number of formulas and rules put forward by different engineers at different times. Some years ago I took the trouble of collecting as many of these rules as I could find and applying them to an actual case where a seam of coal 3 feet thick was being worked at a depth of something less than 1,500 feet. The actual pillar left round the shafts in this case was 900 feet square, which meant that the minimum distance from the shaft to

the coal working was 450 feet, that is 30 per cent. of the depth.

The rules which I investigated gave minimum distances varying from 10 per cent. to 50 per cent.

The above is a brief outline of the present state of knowledge and opinion on the subject of subsidence. But the engineer must approach each particular case in the light of his whole experience, and before proceeding to deal with the legal aspect of the matter a few of the factors which determine the effects of subsidence may be considered.

1. The strata between the coal or mineral worked and the surface must be considered. The nature of the rocks which make up these strata will obviously have a direct effect on the subsidence caused, and this effect will depend very largely upon the strength of these rocks. Where the rocks are weak, subsidence will clearly take place quickly and evenly; where they are unyielding, the subsidence is likely to be irregular, and damage to buildings on the surface will probably be severe. The properties to be considered in this connection are elasticity, tensile strength and resistance to crushing, together with other characteristics such as homogeneity. It is possible that these properties in different rocks do not vary sufficiently to make the ultimate effect vary appreciably with variations in the strata. At the same time it has been observed that a great thickness of hard unyielding rock, such as Pennant rock in South Wales and Monmouthshire and the limestone in Yorkshire, has a marked effect on subsidence.

2. The total thickness of the strata between the deposit and the surface, in other words the depth of the workings, has a very definite bearing on this question.

3. The inclination of the strata also has some influence on subsidence. This influence is well described by Mr. O'Donahue in his evidence before the Royal Commission, and I would refer those interested to it.

4. The thickness of the seam of coal or mineral deposit has a bearing on the amount of subsidence which will

result. This amount depends on the method of working and whether any special precautions are taken to pack the goaf. It seldom, however, exceeds 80 per cent. of the thickness of the seam.

5. The influence of faults is the next point for consideration. It is clear that where subsidence is taking place, any movement of the rocks will be considerably influenced by the position and lie of any faults. Movement will take place along the line of a fault, and circumstances may possibly arise in which the presence of a fault is a protection rather than a menace to structures on the surface.

6. A matter which appears to require a very much greater amount of investigation than it has yet received is the action of water in helping to form a support for overlying strata and the surface and buildings. There can be no doubt that in some cases the withdrawal of water causes subsidence, and it does so for one or all of the following reasons.

The drying up of rocks which have been waterlogged naturally causes them to shrink, and so withdrawing support from overlying strata and finally from the surface.

This will occur more especially where water has been lying in old goafs, for there the material is in a loose condition, more favourable for the absorption of water and more likely to shrink when the water is withdrawn. Here, too, some of the weight of the rocks above is no doubt taken by old timbers left in the goaf. It is clear that so long as the water remains, the air cannot act on these timbers and cause them to decay; when they are again dried up they are likely to decay much more quickly, and give way under the weight of the rocks they are supporting, and so cause subsidence.

Again, the pumping of water from one locality will naturally cause water to flow into that locality from surrounding areas. It is clear that this flow of water will have a scouring action on the rocks as it flows through, and this scouring action will be particularly effective in old goafs where there is free passage for the water.

The pressure of water at 500 feet is about 216 lb. per square inch. Water under this pressure will undoubtedly support a considerable weight, and 500 feet is not a depth of any consequence in mining.

Subsidence caused by the withdrawal of water probably only comes into effect in a case of unwatering a mine long drowned out.

The above is a brief summary of certain natural conditions and their influence on subsidence, and in considering the probable effect of mining on the surface it is necessary to take account of most of them.

There are two matters which claim attention while we are considering the question from the practical point of view :—

(1) The influence of the method of working ;

(2) Precautions to be observed in building in areas subject to risk from mining subsidence.

Although it has been stated that for practical purposes no coal can be worked without causing subsidence, there is no doubt now that damage may be materially lessened provided proper precautions are taken in the working of the coal. If the system of working the coal takes the form of a continuously and regularly advancing line of face, subsidence will take place in a continuous wave, starting at some distance in front of the line of face and finishing at a much later time when the working has passed and the coal has been replaced by goaf. The area of maximum movement is between the line marking the limit of the "pull "over" or "draw" and a line some little distance behind the face. It is clear, therefore, that buildings and works within this area are in the greatest danger of damage, because it is while they are in this area that they are in process of being let down from one level to another. If the face of working is stopped at a line, the movement above it continues until the rocks have settled down to the new conditions.

It is in these circumstances that the greatest damage is done, and it is for this reason that the leaving of an

inadequate pillar or rib is much worse than the leaving of no pillar at all.

Working the coal on a continuous and fast-moving line of face is the first consideration for the avoidance of damage, and next comes the question of the packing of the goaf. This is an important matter, and proper and systematic packing of the goaf should receive greater attention than it does. Not only is this so from the point of view of subsidence, but also, and more important, from the point of view of working the coal. A properly packed goaf means a steady and economically worked face of coal.

A good deal of attention has been directed to the subject of hydraulic packing in the last few years. This was originally introduced in Germany, and has been tried at various times in Great Britain. In particular it is at present being adopted at certain mines in Scotland. It can, however, have only a limited application as the conditions under which it can be used have to be just right for it, and, in any case, it is only special circumstances which will justify the extra expense.

With regard to special precautions to be taken in building on land subject to subsidence, a good deal can be done by building on reinforced concrete foundations and by reinforcing the brickwork of ordinary houses. Larger buildings and structures should be framed up in reinforced concrete or steel, the design of such framing being carried out with due regard to the direction from which movement may come and the extent of that movement. This is a subject to which I suggest the attention of architects might be directed rather more than it has been in the past.

So much for the present state of knowledge on the subject of the causes and effects of subsidence. I want to turn now to a consideration of the law on the subject. For this purpose I refer to the memorandum on the law of support laid before the Royal Commission on Subsidence by Mr. David Douglas Reid, M.P. (barrister-at-law), on the first day of the sitting of the Commission. Mr. Reid was selected to do this on behalf of the Mines Department. He

was followed by Mr. Ernest Arthur Gowers, C.B. (Permanent Under-Secretary for Mines of the Mines Department of the Board of Trade), and Mr. H. P. MacMillan, K.C., of the Scottish Bar. The evidence of these three witnesses may be taken to represent an official statement of the law and the circumstances which have given rise to the necessity for the appointment of the Royal Commission.

Before going further a few definitions will be of use :—

"Direct support" is the support afforded by minerals and rocks vertically below a property;

"Lateral support" is the support afforded by minerals and rocks outside the vertical limits of the property;

"Subjacent minerals" are those which afford direct support;

"Adjacent minerals" are those which afford lateral support. Adjacent minerals may be any distance from the property which they are supporting.

The state of the law is admirably summed up in the second paragraph of Mr. MacMillan's evidence :—

"The problem in its widest aspect has been to effect an accommodation of two fundamental principles of jurisprudence, the individualistic rule—*Qui utitur jure suo neminem laedit*, which entitles every man to do what he pleases with his own property, and the altruistic rule—*Sic utere tuo ut alienum non laedas*, which requires that no man shall so use his own property as to injure that of another. Where the surface and the subjacent minerals have been severed in property and are owned by different proprietors, the respective owners of the surface and the minerals find themselves in physical contiguity vertically just as two adjoining proprietors find themselves in horizontal contiguity. In determining the reciprocal rights and duties of the surface-owner and the subjacent owner arising from their vertical contiguity, the law of Scotland applies the same general principles as regulate the reciprocal rights and duties of adjoining owners arising from their horizonal con-

tiguity. These principles are derived from the natural rights and duties of neighbourhood. The original rights and duties of neighbours inherent in their ownership of their property may, however, be qualified in particular cases by acquired rights and duties derived either from mutual servitudes, or from express or implied contracts, or from statute law."

It is well known that in the origin the owner in fee simple of the surface of land owns also the minerals lying vertically below; he is, therefore, according to the first principle mentioned by Mr. Macmillan, entitled, if he so desires, to work his minerals and let down his own surface; but according to his second principle he is not allowed to approach his neighbour's boundary so close as to remove the support from the surface of their land.

The owner of surface land is also entitled to sell or lease his rights in minerals underlying the surface, but it is important for the purchaser or lessee to ensure that he purchases or leases the right to let down the surface. The ownership of minerals, or the power to work minerals, does not necessarily involve power to let down the surface. The owner must prove by evidence that he has the right to let down the surface. It appears, too, that the right to let down the surface does not imply a right to cause damage to the surface.

Where the ownership of land is copyhold, the minerals are vested in the lord of the manor, but the copyholder has an absolute right to support. This right prevents the lord from working the minerals without the consent of the copyholder; such consent is usually given on the grant of a part of the royalty received by the lord.

How far the copyholders' rights have been affected by the Law of Property Amendment Act, 1923, I am not able to say.

Where land has been the subject of an inclosure award, the allottees are entitled to support; and it is necessary for the lord of the manor to show that he has the right to work the minerals, if excepted out of the allotment without compensation for subsidence. This is often a matter of difficulty,

and in many manors which have been the subject of an Inclosure Act the rights of the lord of the manor remain in doubt.

The right to support of the surface does not carry with it a right to support to buildings and other works upon it. But the right to support for these may be acquired by prescription or grant. To quote Mr. Reid: "In these cases " the right of support is an easement, and not a right of " property."

These general principles apply throughout to support afforded by all minerals and rocks, including soluble minerals such as salt, and unconsolidated rocks such as sand and gravel.

Water is subject to different principles. To quote Mr. Reid again: "With respect to water support there may be a " grant of the right; but in the absence of a grant, the " position has not been satisfactorily settled, and is one of " difficulty."

These principles again apply to all forms of private property and to questions arising from damage to all land and buildings which do not belong to the class which we must now consider.

This class includes:—

Roads.	Railways.	Sewers.
Canals.	Waterworks.	Tramways.

I put these as near as may be in the chronological order in which no doubt questions of support came up for consideration.

Roads are of two classes. Public highways and streets of towns maintained by the local highway authority are entitled to support in so far as that support is necessary to maintain them in a condition fit for the purpose of passage, having due regard to the class of road. The highway authority cannot insist upon a road being maintained at its original level. Roads which are not vested in the local highway authority belong as a rule to the owner of the adjoining land; and in addition to his right of support, there is the public right of way which the landowner himself

cannot interfere with by parting with the right to support if the withdrawal of support interferes in any way with the public use of the road.

Canals.—With regard to canals the law is governed by a large number of Acts of Parliament granting powers of land purchase and other matters for the purpose of constructing the canal. It is therefore necessary in every case to examine the particular Act under which the canal was constructed in order to ascertain the rights of the owners of the canal to support.

Mr. Reid says that the provisions embodied in these old Canal Acts may be divided into three classes :—

1. Those which gave the surface-owner, by which he presumably means the canal-owner, a right of support *ab initio*.

2. Those which gave the canal-owner power to purchase support, and the mine-owner a power to work on failure to purchase.

3. Those which imposed on the mine-owner a duty not to remove the support, but gave him the power to purchase the right to do so.

The second of these provisions appears to have been the most usual, and became so common that the principle was eventually embodied in the Railways Clauses Consolidation Act, 1845.

Railways previous to 1845 were dealt with in similar ways, but the Railways Clauses Consolidation Act, 1845, stereotyped the protection which they were given, and all, or nearly all, railways constructed under statutory powers since that date are protected in accordance with the provisions of this Act.

The sections of this Act until quite recently governed the support of railways, and together with the corresponding clauses of the Waterworks Clauses Act, 1847, became known as the "Mining Code."

Briefly, so far as railways are concerned, the effect of the mining code was to give the railway company the right to purchase minerals within a distance of 40 yards from

the railway works for the purpose of support, and the mine-owner was obliged to give notice before working these minerals.

At the time when this Act was passed it was apparently thought that subsidence would not cause any damage beyond a distance of 40 yards beyond the line of working, and this was probably true for the depths at which workings were carried on at that time.

Coal seams, however, are now worked at much greater depths, and subsidence effects extend beyond the distance of 40 yards as originally laid down.

This gradually became a serious matter for the railway companies until, in 1912, the London and North Western Railway claimed the common law right to support from minerals lying outside the 40-yards limit. This claim was upheld in the House of Lords in the Howley Park case (*Howley Park Coal and Cannel Company* v. *London and North Western Railway* (1913), A.C., 11), and the whole question of the support of railways, at once thrown into confusion, took on a new aspect.

Negotiations were soon set on foot between the railway companies, the mine-owners, and the mineral-owners, which resulted in a form of agreement, first published in the Third Report of the Acquisition and Valuation of Land Committee in 1919. [I should here like to refer to the Paper on this Report read by my father (Mr. T. H. Bailey) before this Institution in 1920; a Paper which deserves to be read again at this time.] With some modifications this agreement was finally embodied in the Second Part of the Mines (Working Facilities and Support) Act, 1923, which came into force in January of this year. It is too early yet to judge of the way in which this arrangement will work out in practice. The first effect has been a flood of notices from mine-owners that they are, or will be, working within the prescribed distance applicable to their special case, and it will undoubtedly take the railway companies some time to deal with these.

Waterworks.—Waterworks are dealt with under the

Waterworks Clauses Act, 1847, and the protection given to them is similar to that given to railways under the Railways Clauses Act. But there is an essential difference arising from the fact that pipe lines and other appurtenances of a waterworks are not always visible. It is, therefore, provided in the Waterworks Act that a plan of all works in connection with waterworks must be made within six months from the date of construction, and this plan must be deposited within a further three months at the office of the clerk of the peace of the district in which the works are situate. It is surprising how often we find that this has never been done.

It has never been decided whether the judgment of the House of Lords in the Howley Park case is applicable to waterworks, and at present they have not been included in the Mines (Working Facilities and Support) Act, 1923. Mr. Gowers in his evidence says that this matter was coming up for consideration by the Ministry of Health when the Royal Commission was appointed.

Sewers and Gas Undertakings.—Broadly speaking these are protected by the Public Health (Support of Sewers) Act, 1883, which extended the provisions of the Waterworks Clauses Act to cover all works in connection with sewerage, drainage, sewage disposal, lighting, or water supply.

Tramways.—These are governed by Section 59 of the Tramway Act, 1870.

Practically speaking, tramways, as tramways, are not entitled to support, and they are protected only in so far as the owners of the highway are entitled to have the surface of the roadway preserved and made passable.

The foregoing is only intended to indicate in the barest outline the legal position of property and works situated on the surface beneath which minerals are being worked, and which in consequence may be threatened by damage from subsidence. It gives a starting point from which careful investigation must be carried on to ascertain the right of support in any particular case.

I want to turn now to an aspect of subsidence of particular interest to the Surveyor.

Subsidence problems invariably arise through a conflict of interests between the owners and occupiers of the surface and the owners and workers of underground minerals, and it is the surveyor who has to adjust, if possible, this conflict of interest by bargain and compromise.

But there is also a third party whose interests must be considered, and that is the nation. For all practical purposes it can be assumed that the coal resources of this country are inexhaustible. It seems to me that long before there are any prospects of exhaustion we shall have ceased to be dependent upon coal to the same extent as we are to-day.

Scientists and engineers are travelling faster to-day than they have ever done, and I cannot help thinking that in a hundred years' time the world will be as unrecognisable to us as our world of to-day would be to our grandfathers, and that years before our coal is exhausted we shall have ceased to be dependent upon it.

There is, however, something more important than the mere exhaustion of supplies, and that is the exhaustion of supplies which can be worked economically. Already we must be a long way on the road towards the exhaustion of such supplies, and the time cannot be far distant when we shall begin to feel in foreign markets and even, perhaps, in our own severe competition from cheap coal.

In all cases, therefore, where there is a question of the working or non-working of coal, it is in the national interest that it should be worked. Accessible coal left unworked is a definite loss to the nation.

Having thus considered the interests of the nation and the community, we come back to the statement that subsidence problems invariably arise through a conflict of interest between respective owners of the surface and the minerals. This conflict of interest is brought about by the fact that severance has taken place in the ownership of surface and minerals.

The severance of minerals and surface must be a com-

paratively modern event in the history of property, dating, no doubt, from the early nineteenth century in England, when coal began to assume its great importance and value. Mr. Reid says that the law of subjacent support was an invention of English lawyers and was first applied in 1839. It is clear, therefore, that by that date the severance of surface and minerals had begun, and it is probable that it had done so not very long before. Questions of subjacent support would not be long in cropping up after such severance.

It would be interesting to investigate this matter further.

It seems that this severance has gone much further than is generally realised, more especially in certain districts where coal mining has been the principal industry for a number of years. In some areas in all our large coalfields it may be said that surface property has entirely lost its right to support, and questions between surface-owners and underground workers are very acute. In some cases the different seams are separately owned or leased.

Mr. Gowers in his evidence before the Royal Commission says: "The troubles of the surface-owner are the main "reason for the appointment of this Commission." The problem which the Commission has to solve arises from the fact that the old common law rights have been varied in many ways by contract to such an extent in some districts as to make it impossible to find land for building which has not lost this right of support. Not only so, but in these districts it is impossible for the inhabitants to get living accommodation which may not sooner or later be seriously damaged by mining.

It is not altogether an answer to this to say that people enter into contracts for leasing or purchasing unsupported land with their eyes open. They have no alternative but to do so as they are compelled to live within a certain area.

The question then is as to remedies, and again I take the four mentioned by Mr. Gowers.

1. *Prohibition in certain cases of the working of minerals.*

My own view of this is that in certain special cases this

might and ought to be done. I do not propose to set out the cases to which I refer, but it is common knowledge to mining engineers that certain cases have occurred where coal has been wantonly extracted or the extraction threatened for the purpose of threatening adjacent property-owners whose interests are of greater value than the coal, and who might thus be made to purchase support at a price which exceeds the value of the coal extracted. This, of course, can be done only in districts where coal can be got at cheaply, and where partly worked seams lie close to the surface, or inferior seams have been left by previous workers.

2. *Compulsory adoption of methods of working which will prevent subsidence.*

I have no faith in this. Hydraulic stowage, as at present practised, is applicable only in special cases where the lie of the seams is suitable, and though damage by subsidence is no doubt minimised, it is not entirely avoided. It is essential, too, that there should be a cheap and convenient supply of material for stowage. The supply of this material is the principal item in the cost of the process.

Damage by subsidence can, moreover, be very much minimised by regular working and systematic packing, without resort to hydraulic stowage.

3. *Restoration of the right to support in cases where the surface has been deprived of that right by contract.*

Consideration of this subject involves a further consideration of the sanctity of private contracts. It must always be remembered that values depend upon contracts. The breaking of contracts necessarily alters values, and contracts broken in the supposed interest of the nation are likely to benefit certain individuals only.

In any case the actual burden which would be put on the mining industry if the right to support was restored is incalculable, and it is obvious that it is impossible to put upon the industry a responsibility which is wholly unknown.

4. *The formation of a pool out of which compensation should be paid.*

This is, at first sight, an attractive scheme, but on further consideration it is seen to be wholly impracticable, for reasons which can be put shortly as—

(*a*) It has the effect of making A share the expense of the faults of B ;

(*b*) Supervision of B would necessarily add to the total cost charged to the fund ;

(*c*) It is the interest of no one individual to see that the charge upon the fund is reduced to a minimum ;

(*d*) Vested interests in the fund are immediately created ;

(*e*) It is almost certain that the total charge on the industry for damage by subsidence would be immediately increased ;

(*f*) The amount of the levy necessary to cover damage by subsidence cannot possibly be estimated. It might be possible to find out what the industry is actually paying at present for damage for which it is liable, but there is no means of finding out what would have to be paid for damage for which it is not at present liable.

Even the figure which is actually paid at present might not be any true gauge of the aggregate value. Mine-owners are usually generous in settling claims in my experience, and all sorts of factors enter into the final settlement which have the effect of making it of little use as a guide to the actual value of the damage done.

Insurance has been considered, but it is impossible to value the risk on a sound actuarial basis. There are in fact no data from which actuarial calculations can begin.

The difficulties which have arisen and which are the direct cause of the appointment of the Royal Commission

have not suddenly appeared. They are the result of a long period during which the mining industry has been growing, and larger and larger areas of mineral, chiefly coal, have been exploited.

The matter is under consideration by the Royal Commission, and they will make recommendations when they have heard all the evidence which is to be put before them. This evidence will form the largest body of material that has ever been brought together on the subject, and until it has been thoroughly digested it is impossible to form any sort of opinion on the subject. It is, therefore, not desirable to attempt to make any sort of proposal as to how these questions should be met.

The situation differs very much in different localities, and the difficulties that arise are not the same in every district subject to mining subsidence. The possibility of localising the remedies therefore suggests itself. Any attempt to deal in a large and general way by legislation applied to the whole country will only create new problems in districts where the problems for which the legislation is proposed do not exist.

Further, subsidence problems are nearly always problems of relative values. It is the surveyor's job to assess and adjust these values, with a due regard to the interests of the nation or the community. Any legislation proposed must be based on an understanding of this relation of values. It ought to be a cardinal principle of all legislative action that the balance of values should not be upset.

At the conclusion of his evidence Mr. Reid mentions the possibility of a registry, where a record could be kept of the actual state of the relations between surface and minerals. This would to some extent get rid of the doubt which sometimes exists as to this relation. At the same time publicity as to mine workings is what seems to be required to enable surface property-owners to know what is going on below ground in their neighbourhood. Publicity would prevent the situation which arises on the refusal of a mine-owner to give information to property-owners, a situation which fortunately does not often occur. For this reason it is

sometimes exceedingly difficult for these owners to prove that damage has been done by the working of minerals in the neighbourhood. There ought to be some means by which mineral workers should be compelled to carry on their works in the full light of day. Secretiveness is, I suppose, nothing like what it was, say, fifty years ago. We are learning that we all go ahead much faster by throwing our knowledge into the common stock, but we are not all honest enough yet, and it is not always safe to put all our cards on the table. For this reason it is impossible to expect mine-owners to give any one unrestricted access to their plans and workings. Nevertheless, the courts might assist in making information much more accessible to property-owners, who are clearly vitally interested in the working of adjacent minerals. At present it is necessary to prove to the court that damage has been and will be done, and the time taken in getting the means to prove this and in carrying the matter through the court gives the dishonest worker ample opportunity to cover up his tracks.

This is not an exhaustive treatise on the subject of Mining Subsidence; but if in some measure it succeeds in the purpose for which it is intended, the time spent upon it will not have been wasted.

AT

THE ORDINARY GENERAL MEETING

Held on Monday, 5th May, 1924,

A DISCUSSION took place on a Paper entitled

MINING SUBSIDENCE,

By Cecil H. Bailey (Fellow).

Mr. J. I. DAVIDSON (President) in the Chair.

Mr. JOHN WILLMOT (Past-President) said he had particular pleasure in rising to propose a hearty vote of thanks to the author because he had had the privilege of knowing three generations of the Bailey family which, as the members knew, held a most distinguished position in the Midlands and elsewhere as mining engineers. As quite a young surveyor he (Mr. Willmot) used to take off his hat to the author's grandfather, to whom he looked up with the greatest reverence. He had had the pleasure for a great many years of numbering among his closest friends the author's father; and he now had the pleasure of proposing a vote of thanks to the son who was following in the footsteps of his forebears.

The interesting Paper which had been read had been divided by the author into three parts, with only one of which he personally proposed to deal, because it was not, he thought, for those who were engaged as ordinary practising surveyors to attempt to express any opinion as to the causes of subsidence. It was well known to all surveyors that subsidences did occur, but most surveyors had only to deal

with damage caused by subsidence. They did not delve below the surface and attempt to give any reason for what had occurred. He had been much enlightened by Mr. Bailey's Paper, and now understood a great deal more about the subject than he did before. Limiting himself, therefore, to the part of the Paper which dealt with surface work, he noticed that it was stated that a very great deal of coal was worked without doing any damage, or only very little damage, where the seam that was worked was at least 500 yards below the surface, and that statement was borne out from his (Mr. Willmot's) own personal observations. When damage did occur no doubt in some cases it was very bad indeed, particularly where flooding was caused. He had himself known many excellent stretches of meadow land completely spoilt by subsidence due to the working of minerals, and in those cases it was extremely difficult to know what to do. In cases in which both the mines and the surface belonged to the same owner a clause was usually inserted in the lease of the mines under which certain compensation was payable by the lessee for damage caused to the surface, but it was quite impossible to bring back the land which had been so damaged to its original state.

Reference had been made to the damage that was done to roads. As an old road surveyor he had some experience of that. In such cases the roads had to be made up, but in making them up he thought the highway authority was only justified in making them up sufficiently to take the traffic, and not necessarily to the exact level they were before. In such cases he had been able to obtain compensation from mine-owners who had let the roads down. It always seemed to him that a local authority in dealing with matters of that kind had to take into consideration the district in which they were operating. It was necessary for them to remember that the letting down of the roads was due to a colliery which was probably paying a large sum in the way of rates, and it did not seem to him quite fair that any highway authority or any other public authority should press too hard a company which was contributing largely to the revenue of the district. He was glad to say that, so far

as he had been connected with such cases, the authorities had always looked at the matter more or less in that light, and had asked the colliery company to contribute as little as was really compatible with justice. They had not attempted to press the claims unduly, and that system had always worked well. It must not be forgotten, however, that while the colliery companies contributed very largely to the rates, they were also the cause of very large expenditure being incurred in the particular districts in which the collieries existed, since they required water and drainage for the colliers' cottages, and education for their children; in fact, there was not very much profit, if any, in the end to the local authority.

Mr. Bailey had drawn attention to the Act of 1883, which extended the Public Health Act, 1875, by providing that sanitary works, which expression included sewers, drainage, light and water supply, carried out by a local authority should have the protection of that Act. Prior to the Act of 1883 it was held that the Act of 1875 impliedly imposed on landowners through whose land a sewer was laid an obligation to preserve support to the sewer, and consequently gave landowners a right to immediate compensation for being deprived of the liberty to work underlying mines. Under the new Act, which followed the Railway Clauses Act, the local authority need not protect themselves by buying the coal under the sewers or other sanitary works until the time arrived when the coal was going to be worked; then notice was given and they had to pay. It seemed to him that that placed them in a very much better position than they occupied previously. They now occupied the position that the railway companies occupied under the Railway Clauses Act, under which, if the railway went through a district in which there were minerals, the company need not buy the minerals until such time as they were about to be worked. That was an advantage to the company, as they were able to defer a large capital expenditure in the purchase of minerals until such time as the working of such minerals would be likely to let down the line.

Mr. Bailey had referred to the precautions that must be taken to minimise damage as much as possible. He had noticed in his own experience that working in a continuous and fast-moving line caused less damage than if the company were pottering about and not going straight ahead. He knew of one place in particular in which there was a most noticeable wave of surface as the working proceeded, and very little damage at all was done. He thought that was due to the fact that the company was working straight ahead. He remembered an instance which occurred on one occasion when a local authority for which he acted as the representative built some large schools. The colliery company owned both the surface and the mines, and he asked them whether they would sell a site on which to build the schools. After receiving an affirmative reply, he enquired what arrangements they were prepared to make for protecting the schools in regard to damage by underground workings. The colliery company made the very sporting offer that if the local authority constructed the building in the manner they suggested they would make themselves responsible for any damage that was done. That seemed to him to be an extraordinarily good offer, and it was accepted. The seam that was being worked was 5 feet 6 inches thick, 320 yards below the surface, and all the colliery company asked the local authority to do was to put a $1\frac{3}{8}$-inch rod below the wall plates all the way round the building. The school was erected to the approval of the colliery company fifteen or sixteen years ago, and until the last year or so no damage at all had been apparent, although the working was approaching the building. Very little damage had since been caused, and that the colliery company had remedied in accordance with their agreement. The general settlement of the surface of the ground due to those particular workings was about 1 foot, but the result of the insertion of the rods was that the damage had been limited to quite a trifling expenditure. Whether the damage would be greater in the future probably Mr. Bailey could tell him; personally he did not know.

In another part of the same district the surface of the ground was let down about 7 feet. In that case it happened that the highway authority was responsible for the maintenance of a bridge which carried a main road over a canal. The banks of the canal had to be made up from time to time to keep the water in the canal at the original level. The bridge gradually settled down until the time arrived when the boats on the canal could not get under the bridge, which then had to be rebuilt. It was an ordinary brick arch bridge, and it was rebuilt on piers with girders. It cost a great deal of money, which the colliery company paid.

The Mines (Working Facilities and Support) Act, 1923, which was passed, as Mr. Bailey stated, to put an end to the confusion which had arisen in consequence of the Howley Park case, in which it was decided that railway companies were entitled to the common law right of support for their lines from minerals situate outside the 40 yards limit, seriously affected the position of mine-owners, as whereas under the Railway Clauses Act notices had only to be given to the railway company when the working approached within 40 yards of the railway, under the new Act the area of protection comprised the railway and the area extending to such lateral distance from the railway as was equal to one-half the depth of the seam at that point, or 40 yards, whichever was the greater.

In the event of the distance exceeding 40 yards in width, the area had to be divided into an inner and outer area, the former comprising the railway and 40 yards beyond, and the outer comprising so much of the area of protection as was not included in the inner area.

From a mine-owner's and royalty-owner's point of view the position as regards compensation for minerals lying within the safety zone had been adversely affected, inasmuch as railway companies, although still, as they used to do, paying full compensation for mines under the railway and lying within the inner area of 40 yards, now pay in respect of mines in the outer area only at the rate of one-third of the compensation that would be awarded in the case of the minerals under the inner area of protection.

The royalty-owner, in addition to the above terms for compensation, was entitled to be paid an extra penny per ton in respect of minerals within the outer area.

He presumed that the terms embodied in the Act were a compromise which had been the means of settling some troublesome cases. It had certainly cleared the air if it had done nothing else.

He noticed that the definition of minerals in the new Act included "all minerals or substances in or under land obtainable by underground or surface working." That looked as if it might apply to everything up to a gravel pit, but he could not say that he had had any experience of endeavouring to apply it to that particular thing. Surveyors representing landowners, however, met with difficulty with regard to the working of gypsum mines. He knew of one place in which those mines were worked from an adit driven straight into the hill. Not very long ago he had a letter from the tenant of the surface ground over one of the mines, in which he said there was a bit of a hole in his land, that it had caved in, and that two heifers and a colt had fallen into the hole. When a surveyor received such a letter it tended to upset him, because the compensation properly payable to the tenant had to be provided. As a matter of fact it had not yet been settled who should pay.

He had also had experience of cases in the pottery districts, some of which were rather amusing. He once looked at a field which he thought was admirably adapted for building purposes, but when walking over it he suddenly came across a crowning-in, which had been caused by animals walking over the land at a point where the coal workings were very shallow. They looked very much like shell holes, or holes caused by the dropping of a bomb. The hole made was of a conical shape, and the crownings-in which occurred in the potteries were very much of that kind.

He had found, as a surveyor acting for the surface-owners, that he had seldom experienced any real difficulty with the big colliery companies or coal-owners. They were generally broadminded people. If they did damage for which they knew they were liable they settled up like

men; but, on the other hand, if they thought the surface-owner was wrong in his claim, they told his representative so pretty quickly. His experience of dealings with them had always been a pleasant one.

He would not attempt to deal with any other subjects connected with the Paper which had come under his own observation, but would conclude by proposing a most hearty vote of thanks to the author for his most admirable Paper, which had been listened to with great interest, which all the members should read most carefully, and which he was sure they would thoroughly appreciate.

Mr. A. J. Brickwell (Fellow) said he was afraid he could not accept Mr. Willmot's invitation to embark upon a discussion upon the mineral clauses of the Railway Clauses Act, but it was a great pleasure to him to second the vote of thanks which had been so ably proposed by Mr. Willmot to the author for his most interesting Paper. He did not know that he could altogether agree with the author in his opening statement that he hoped the Paper would provoke a discussion, because it seemed to him that the Paper had been written with such great care that most of the questions that the author had asked, so far as he was concerned, were largely answered by him in the course of the Paper. He thought, in reading the Paper, that in one instance he had summoned up sufficient courage to disagree with the author, but on reading further he found the view set out was one with which, after all, the author himself disagreed.

He desired, however, to make one or two general observations. The subject in which all the members were most vitally interested was the difference between subsidence and damage, the latter of which they were more generally interested in. A perusal of the Paper clearly indicated that in the past the interests of the surface and the minerals, starting as they did in close association, had resulted in unfortunate and unhappy results for the surface interest. He did not see, however, how any very real remedy would come about unless the Commission which was now sitting could find a way to solve the problem. It must

be borne in mind that, so far as the working of the coal of this country was concerned, it had contributed to the enormous wealth which the country had amassed, and which had enabled her to take her place among the nations of the world. He imagined that if too great an incubus had been put upon the mine-owners in the first place, the country could not have arrived at the position it occupied at the present time.

There was another point on which he cordially agreed with the author; in the statement he made on page 248 in regard to the ascertainment of the actual data in connection with the amount of subsidence that took place. He supposed, as a matter of fact, that more was known about the depths of the sea than was known about the bowels of the earth, and he was glad to see the author agreed that whatever calculations might be arrived at in one part of the country, they would not necessarily apply in arriving at conclusions in regard to another part of the country.

The author had referred to the question of the precautions which might be taken in regard to the erection of buildings, and Mr. Willmot had referred to what had occurred in the case of the school he erected. Mr. Willmot's remedy apparently was a very cheap one, but to erect buildings consisting of reinforced concrete and steel construction was usually a somewhat costly proceeding. The houses which were erected in the vicinity where subsidences might take place were generally of an artisan character; but those living in the south knew that a few pounds added here or there in order to embody one's ideas of a perfect cottage would sometimes kill the scheme which it was desired to carry out. Although he supposed reinforcing was the only way out of the difficulty, another £25 in the cost of a cottage sometimes altered the whole outlook from the economic points of view.

With regard to the question of the minerals under a public undertaking, the Act passed in 1923, which was known as the Mines (Working Facilities and Support) Act —by which the railway companies, the lessor and the lessee of minerals came to an agreement before the Act was made

law—was one which reflected great credit on the advisors of the three parties concerned. Under that Act the working of minerals might now go on under reasonable conditions without, as it was hoped, any party being too much hurt. He was sure everyone would agree with the author's statements about the loss to the nation which occurred through minerals which could be worked not being worked, and they would all further agree with his statement that, in any legislation that was passed, respect should be had to contracts which had been entered into, no matter how improvidently; and, further, that it was not at all an unfair suggestion that the workings of mines should be made known to those who were interested in the matter. He was under the impression that years ago, when the tube undertakings deposited plans with Parliament for the construction of the underground railways of London, they were compelled by statute to deposit with the London County Council plans of their underground workings. He thought it was only reasonable, from a surveyor's point of view, that, if a company worked underground, opportunity should be given to all interested parties to have access to its plans.

He had very much pleasure in seconding the vote of thanks to Mr. Bailey for his most interesting Paper. The Paper must have involved much research; it had been written with the greatest care, and, what was most pleasant to him, it was written with that moderation which was usually associated with the members of The Institution.

Sir Richard Redmayne, K.C.B. (Honorary Member), said he had very much pleasure in associating himself with the two gentlemen who had proposed and seconded the vote of thanks to the author. It was always interesting to review the work of an old student, and the author was an old and brilliant student of his at the University of Birmingham. In the first place he desired to congratulate the author on his Paper, which was admirable alike in respect of the matter it contained and in the manner in which it was presented. With the greater part of the author's conclusions he was glad to find himself in close agreement. There were,

however, a few criticisms which he should like to advance and a few additions he would like to make.

In reviewing the history of investigations which had been carried out, the author might have directed attention to the work of the Prussian Commission appointed in 1868, to collect information on the question of the "influence that "mine workings may have on the surface buildings in the "coalfields of England, Belgium, the north of France, and "Rhenish Prussia," and to the memoir by Monsieur Gustave Dumont, "*Des affaissements du sol produits par "l'exploitation houillère*" (1869), an elaborate treatise in which the subject was very fully discussed. Monsieur Dumont's Paper was addressed to the Municipal Council of Liège, by whom he was professionally engaged. The reply of the Belgian Colliery Owners' Association to Monsieur Dumont was well worth studying. They considered, amongst other things, that the law of the normal would not hold good in respect of inclined seams, but that the fracture of the lower extremity of the working would occur in "inverted steps" and the fracture at the higher extremity in "right steps" (*gradins droits*), the average inclination of those steps falling between the normal to the seam and the vertical. Finally they came to the conclusion that the only rule to follow was the examination of the special facts which accompanied each particular case. Callon, like Dumont, believed in the theory of the normal. That theory was originally promulgated in 1858 by Gonot, a leading Belgian engineer. Monsieur Haton de la Goupillière, the late professor of mining at Paris, expressed much the same opinions as Callon but with certain reservations.

The author referred to Fayol's work. Might he point out to the author that the first description of Fayol's experiments and conclusions given in English was that contained in Vol. XII. of the "Transactions of the British Society of "Mining Students," contributed by his (the speaker's) friend Mr. H. F. Bulman in 1890? Some very useful papers on the subject of subsidence were to be found in that volume of the "Transactions" of that, unfortunately, long since defunct society. He was disinclined to agree with Mr. Bailey in his

reference to Fayol's conclusions. He gave no reason why many of them should not be adopted. If, as he said, these conclusions tallied with what took place when coal was worked, was not that a reason for their closer examination? At the same time he was disinclined to adopt the conclusion which entire acceptation of Fayol's theory would involve, namely, as to the closing of the dome of subsidence given a certain considerable depth from the surface and a certain thickness of seam. But the general idea of the dome theory of subsidence, supported as it was by incontestable fact, he was prepared to accept. Perhaps the difference between the author and himself was more apparent than real. Certainly Fayol's theory of the dome did account for and correlate the otherwise apparently divergent conclusions arrived at by different observers. The old rough-and-ready rule on which many of them worked in times past was to allow one quarter of the depth in measuring the extent of the "draw." It would be seen that that was untenable in so far as regarded generality of application if the dome theory were accepted, as indeed any other formula as to definite proportions as to depth and draw. The dome theory at once accounted for the varying proportions adopted by different engineers. With the author's statement as to the impossibility of laying down generalisations upon which mathematical calculations could be built up and prove of general use he was in entire agreement, for, as the author truly said, the factors involved were so varied, and the sooner the hopelessness of constructing such formulæ were realised the better; it was more waste of time.

In regard to the fracturing effects due to certain conditions of subsidence, he would like to point out to the author the possibility of the contour of the surface proving an important factor in regard to the character of the surface. He asked the members to compare, for instance, two such extreme cases as the working of a coal seam under (1) a plain or level surface, and (2) an uneven or mountainous surface, when all the other factors such as depth, character of intervening strata, and thickness of seam, were equal in the two cases.

The author said that there was general concurrence amongst mining engineers that the working of seams of ordinary thickness, if the method of working were properly carried out (by which the speaker expected he meant the long-wall method, well packed, and a regular line of face evenly preserved and regularly advanced) at a depth of anything over 500 yards did not result in serious damage to structures on the surface, and he agreed, granted an absence of faulted and unstable strata (such as "running sands"). The author alluded in that connection to the proposal to do without shaft pillars, and added: "So far, however, no one "appears to have had faith enough to make the experiment," but he could assure the author that he was wrong in that supposition. In several instances in Germany there were collieries without shaft pillars. In his opinion, after continuous experience of mining extending over a period of forty years in different parts of the world, he had come to the following conclusions, in respect of the working of bedded minerals:—

(1) That the amount of subsidence of strata above the excavation was largely governed by four factors: (*a*) the nature of the superincumbent strata; (*b*) the height of the excavation; (*c*) the depth of the excavation from the surface; (*d*) the method of working.

(2) That the extent and direction of the subsidence was largely governed by the above factors and two additional factors, namely, (*a*) the inclination of the strata; (*b*) the presence or absence of such geological disturbances as faults and intrusive dykes.

(3) That the *area* of the subsided surface depended largely on (*a*) depth, and (*b*) nature of the superincumbent strata.

(4) That the movements of the strata in normal circumstances were subsidences in the form of a dome or basin, the area of subsidence being greater than the area worked, but the area of subsidence at

the surface might be less or greater as determined by the depth of the excavation from the surface.

The author alluded to hydraulic stowage of wastes, and mentioned that the process was originally introduced in Germany; but was that so? The Americans claimed that it was first practised in the United States and that the Germans got the idea from there. Serious damage from subsidence in those cases where hydraulic stowage was capable of application—and the instances where it could be applied in this country were very few—was entirely avoided. An interesting account of that process was given in Herr Seidl's report on it, and the possibilities of its application for British collieries contained in the Minutes of Evidence of the Committee on Spontaneous Combustion of Coal in Mines, published in 1920, over which Committee he had the honour of presiding.

The subject of subsidence from the point of view of the mining engineer in particular was complicated by the possible intervention of factors other than those he had already alluded to, namely, (*a*) the pumping of water, and (*b*) the crushing of small pillars left many years previously, two very uncertain factors inasmuch as they were difficult of ascertainment. Subsidence might be attributed to colliery workings when, in point of fact, it might be occasioned by drainage of water due to pumping operations far removed from the said colliery. Again, subsidence might take place from the crushing of small pillars left very many years ago. The process of crushing might have been hastened by the recent working of a seam of coal below or adjacent to the old pillars. The period over which subsidence occurred was of importance and was a subject on which considerable difference of opinion existed. He would like to see the views of observers from all the British coalfields on that point collected and the data given in each case.

The formation of a pool out of which compensation for subsidence should be paid would not be fair under the existing conditions of a number of separate ownerships for

the reason he gave in his evidence before the Royal Commission on Subsidence now sitting, namely, the case might arise in which an individual company had caused most of the damage, and it would get off unfairly easily inasmuch as all the other collieries in the district which had not caused any damage at all would be paying for the damage caused by their neighbour.

In conclusion he would like to express the indebtedness they must all feel for the trouble and time the author had taken in bringing the subject before them and for the comprehensiveness of his Paper.

Mr. T. A. O'Donahue (Fellow) said that while the author had clearly presented the case for consideration, in his (Mr. O'Donahue's) opinion many of the old rules should be ignored, as they were deduced from such limited conditions that they had no general application. With a subject which required many years of observations to obtain conclusions, one need not be surprised that systematic investigation had been largely neglected, and that rules had been based on slender data or on theoretical deductions. The one set of observations of which he had given details extended over a period of twenty-three years and involved considerable work.

It was clear that no hard-and-fast rule could be laid down as applicable to all kinds of strata and conditions. Regard must be had to the following points:—

(1) The surface contour;
(2) The superficial deposits;
(3) The relative hardness of the general overlying strata;
(4) The thickness of the coal seam;
(5) The depth of the seam;
(6) The inclination of the strata;
(7) The amount of packing, including falls of the immediate roof.

With those factors before one, he was of opinion that

pillars for support could be set out with a minimum margin for safety, in 19 cases out of 20.

Running water in alluvial deposits would break any reasonable rule, and in other cases faults might dominate the breaking lines and extend the area of subsidence; but though such abnormal cases sometimes occurred, there was no reason why the general principles which applied to normal cases should not be laid down.

Sir Richard Redmayne apparently pinned his faith to Fayol's dome theory. He (Mr. O'Donahue) had on a previous occasion expressed the view that no weight could be attached to that theory. It implied that the area of subsidence was less than the area of workings. Fayol might have observed instances which appeared to conform with the theory he deduced from his laboratory experiments, but, so far as he (Mr. O'Donahue) was aware, such conclusions were condemned by the evidence of every case published in this country—and they were concerned with the facts in this country.

He thought it might be regarded as fairly well established by observations that, with inclined measures, the draw to the dip approached the right-angle at some angle of dip which might be termed the "critical" angle. Such critical angle varied according to the degree of hardness of the strata, but for average conditions Dickinson suggested 18 degrees and the Dortmund authorities adopted 35 degrees. His observations with soft strata containing 80 per cent. shales and 20 per cent. sandstones, and with 40 to 60 feet of surface alluvium, would indicate a critical angle of about 30 degrees, and he had adopted 24 degrees as applicable to average strata. With workings to the rise, the same critical angle might be adopted, in his opinion, as indicating the angle at which draw ceased to the rise. Dickinson appeared to have adopted the same angle which he applied to the dip, but he made certain qualifications. For horizontal measures the angle of draw might be taken as roughly about one-third of the critical angle for inclined strata.

With regard to the amount of subsidence, his observa-

tions tended to show that the effect of depth in reducing the amount of subsidence was not so great as had generally been assumed. The reason the subsidence did not decrease materially as the depth increased was due to the fact that the greater pressure reduced the volume of the packing material, and that tended to counterbalance the decrease in subsidence due to depth alone. With a 3-foot seam he had observed subsidence of about 50 per cent. with little variation at depths from 900 to 1,900 feet, and a 4-foot seam at 3,000 feet deep gave 35 per cent. of subsidence. Results of abnormal cases had frequently been given, but while those were useful as a warning, it would be of greater service if the results of observations in normal cases were available. The seven dominating factors which he had enumerated should be given in all cases to enable the results to be properly classified. Extensive observations over long periods, at least ten to fifteen years, were essential to conclusions. There was no royal road. Academic deductions had confused rather than elucidated the problem.

He desired to associate himself with what had been said by the other speakers with regard to the excellent way in which the subject had been dealt with by the author.

Mr. C. H. Sample (Fellow) said he wished to add his thanks to the author for his most interesting and instructive Paper. It was of special interest to one coming, as he did, from the great coal-mining district of Northumberland and Durham.

As a land agent he had been chiefly concerned with the damage caused to the surface by subsidence, though, of course, it was necessary to have some slight knowledge of how coal was worked.

At the opening of his Paper the author stated that subsidence was one thing and damage by subsidence was another. If by that statement he meant that there could be subsidence without damage, then he entirely disagreed with him. If there was subsidence of the surface, there must be damage in some form or other. It might be only slight or it might be serious, but damage there must be. The fact of a subsi-

dence taking place meant that the underlying strata had been cracked and shaken, and that materially affected the value of the surface soil for agricultural purposes.

The author's remarks with reference to the "draw" or "pull over" were most interesting, as that was a matter about which there was a great deal of controversy. In providing for the protection of a mansion-house or farm buildings they had to be guided by the advice of the mining engineer, but many owners insisted on being on the safe side and making the angle of the draw 45 degrees. Of course, as the author stated, the nature of the strata regulated the angle of the draw. In the course of his (the speaker's) practice he had seen some curious results of a "draw." In one case the farmhouse, an old one, began to drop at one end, and the drop proceeded through the length of the house until the whole house was again on one level, and doors which at one time would not open were again swinging freely. The walls, of course, were shattered, but none fell down. He succeeded in getting half the cost of a new house out of the mining company.

In another case a water trough situated about 30 yards from the farmhouse and originally above the level of the house was, after the subsidence, considerably below the level of the house, but the water supply was still there, and one end of a building had dropped a considerable distance but had not fallen.

The most frequent damage by subsidence with which surface surveyors had to deal was the damage to growing crops. Where the surface and the mineral belonged to the same owner the liability of the mining lessee was generally provided for in the lease, and the plan of the workings was always known to the owner or his mining adviser. It only remained, therefore, to assess the damage. He feared that the claims of farmers for damage to crops were often exorbitant, and unfortunately they were frequently backed up by their valuers. In late years that had become so serious, that mining companies were now endeavouring to rent all the farms under which they worked the coal, paying the owner the full undamaged rental value, and then sub-letting

them to the sitting tenant at a reduced rent, but on condition that no compensation was to be paid for damage. Then at the termination of the mining lease the capital value of the damage to the freehold suffered by the owner was assessed and paid by the mining lessee.

Where the surface and the mineral belonged to different owners the matter was much more difficult, as the surface-owner had not the powers of a lease behind him, nor had he access to the working plans without applying for an order of the court, and, as the author said, in many cases the mining company were very unwilling to produce their plans. Those cases generally ended in an arbitration, and then the arbitrator had power to call for the production of the mining plans.

The most complicated case of all was where the surface-owner and the mineral-owner were different persons and the various seams of coal were leased to different parties. In one such case where the surface was under his management the upper seam was worked without causing any serious damage, and the company closed their pit and left the district. Shortly afterwards the lessees of the lower seam worked out the pillars, which caused the strata to shrink, and the upper workings were drawn down causing the surface to fall into huge holes, absolutely ruining a large area of land. The lessees of the lower seam refused to acknowledge liability, and the lessees of the upper seam had gone, and as his client refused to sue the royalty-owner he had to bear the loss.

One of the chief troubles was the loss of water supplies which were frequently drained off by colliery workings, and unless special provision were made in the lease, the only satisfaction to be got was to be told to "chain up your water "as we do not want it." It certainly would be a great assistance to surface surveyors if the author's suggestion could be carried out and mineral workers compelled to carry on their work in the full light of day.

One great difficulty in dealing with subsidence was the question as to how long the surface could go on subsiding after working of the mineral had ceased. They had cases

where surface-owners and occupiers alleged that subsidence had occurred some years after the working of the coal in that area had ceased. It would be interesting to know the author's view on that point.

The PRESIDENT said that a very interesting discussion had taken place on a most interesting Paper. He had intended to make a few observations on the valuation side of the question which had been so well dealt with by the last speaker, but in view of the lateness of the hour he would not detain the members for many minutes.

It was forty years or thereabouts since he was converted from the belief to which the previous speaker had given expression, namely, that there must be damage where there were workings. In his youthful enthusiasm he went before a judge with what he considered an ingenious theory in support of that view. In that instance the judge was rather a dull person and the colliery company were not represented by a very bright counsel, so that his theory stood the test of cross-examination. But in the subsequent year he had the good fortune to be cross-examined on the same theory by a brilliant junior, Lord Dunedin, now a Lord of Appeal, whom The Institution entertained at dinner recently, and he came to the conclusion before the cross-examination finished that he then knew very little about the subject.

One conclusion, however, in connection with those matters he had reached long ago. He had had a long and somewhat varied experience of subsidence both in the coal and the shale fields of the north, his firm acting for practically the whole of the shale oil companies. In those oil fields, as the seams were shallower, there was often a very considerable amount of damage; but even there it was not at all the fact that where there was subsidence there was always damage. He knew of one case in which 27 feet 6 inches of coal in seven seams was extracted under a field, and a very experienced arbiter who looked into the matter in great detail discovered that the agricultural tenant was entitled to 10*s.* per annum—not per acre—for the damage caused by the extraction of that mineral. Personally he thought that

when the arbiter had reached that conclusion he might just as well have let the company off altogether. In that particular case he had ventilated the opinion that a considerable amount of coal might be extracted without damage, and the first case that was put to him in cross-examination was the particular field to which he had referred, which absolutely supported his theory.

On one point he was entirely in agreement with those members who had taken part in the discussion, namely, that mine-owners should disclose their plans. He did not think it was fair to the surface-owners, and people interested in buildings and so on, that they should not have accurate information as to what was going on down below. The absence of that information sometimes led to rather amusing results. An old friend of his was sent to make out a claim by a man who alleged that he was suffering damage. He (the President) was sent by the mining company to report upon the claim, and he discovered that his friend had never been less than half a mile from the workings, and that he had spent most of his time between that distance and three-quarters of a mile away from where the workings were. The irony and humour of the situation was increased by the fact that after the parties had fought over the matter for three years, the claimant agreed that he (the President) should be sole arbiter.

There were a great many other interesting questions he could raise in connection with the Paper, but he would refer to only one before he concluded his remarks. A farmer who farmed an extensive, if not a very valuable, area claimed £3,000 from the owners for damage through subsidence. As a result of the initial litigation the court said it was a case for arbitration, and appointed arbitrators. If he remembered rightly the court did not leave it to the parties themselves to appoint the arbitrators, but made the appointments. The court accordingly nominated a friend of his own and himself, and without consulting them nominated the umpire. The case proceeded, and it transpired in evidence, before it had gone very far, that while undoubtedly a shaft had been sunk through the ground alleged to be damaged it had

reached a whinstone post at a comparatively early period and nothing more had been done. The land was a very large area of moss and peat which the claimant had drained with tile drainage. It had become dessicated as the result of this over-drainage and gone into humps and hollows. The claimant contended in effect that if his opponent had not made it too wet he had made it too dry, and that he wanted £3,000 damages, instead of which he received, he believed, £200 for land occupied and various other small items. Those were the sort of problems to which surveyors had to apply their minds from time to time.

He was sure that the members were very much indebted indeed to the author for his Paper which had given information in regard to the conditions underground of which he (the President) as a surface man knew comparatively little. He had always admired mining engineers and others who not only could tell all that was happening down below, but who could tell the value of the things that were down below. He thought that implied a far higher standard of genius than fell to be applied in ascertaining the value of the subjects above ground.

It now afforded him great pleasure to put the resolution that had been so ably moved and seconded, that a hearty vote of thanks be accorded to Mr. Bailey for his interesting Paper.

The resolution was then put and carried unanimously.

Mr. Cecil H. Bailey, in reply, said he was exceedingly obliged to the members for according him so hearty a vote of thanks. In view of the lateness of the hour he did not propose to occupy their time by dealing with the points which had been raised. He only desired to say in regard to the point which Sir Richard Redmayne mentioned, that he had studied the documents to which Sir Richard referred. He would have been rather rash to have attempted to read a Paper before The Surveyors' Institution without studying everything he could in regard to the French and Belgian investigations, which were the first that were made on the

subject. Many of the conclusions then arrived at remained at the present time as the standard conclusions on the subject, although in the light of further experience it was seen that they did not quite grasp all the facts. It was rather rash of him as Sir Richard Redmayne's old pupil, and in view of the evidence given by Sir Richard before the Royal Commission, to criticise the conclusions drawn by M. Fayol from his experiments, but he had, to some extent, been supported in that objection by Mr. O'Donahue. The point about it was that it was not quite the right way to go about the matter. Information was not required from laboratory experiments, but information was required of what took place in actual operation, and it was hoped that that information would eventually be forthcoming as a result of the work of the Committee of the Institution of Mining Engineers.

He did not propose to deal at the moment with any of the other points that had been raised, but would leave the remainder of his reply to a written communication. He was very much obliged to all those who had taken part in the discussion for the kind remarks they had made, particularly Mr. John Willmot and Sir Richard Redmayne.

The Secretary announced that the Annual General Meeting to receive the Council Report and the result of the election of the Council for the ensuing year would be held on Monday, 26th May, 1924, at 5 p.m. The prizes awarded to successful candidates in connection with the examinations would then be presented.

The meeting then terminated.

The following written reply has been received from Mr. Cecil Bailey:—

There are not many points in the discussion on this Paper with which it is necessary to deal.

The gypsum mines mentioned by Mr. Willmot are an illustration of the extreme case mentioned on page 245.

The beds from which the gypsum is got are about 10 feet thick in places and only about 20 to 50 feet below the surface.

A point which opens up a very wide field of thought is that raised by Mr. Brickwell when he mentioned the difficulty of meeting the extra cost of reinforcing buildings which are likely to be subjected to subsidence.

The whole problem seems to revolve round the question of the value of land. The extra cost of building should be made up by a lower price paid for the land. I know that the point is made that the fact that land is deprived of support makes no difference to the price which has to be paid for it for building puposes. I should imagine that in every such case, however, the matter is arguable on both sides. It is almost certain that, all other things being equal, the price for supported land would be higher than that for unsupported land.

I am obliged to Sir Richard Redmayne for calling my attention to the fact that the surface contour has a bearing on the question of subsidence. That is, of course, a point which I should have included in the Paper. It is not a point which I had overlooked, but I seem to have omitted to deal with it.

On the question of superficial deposits Mr. O'Donahue is quite right, but I should rather take that as being a particular case of the character of the strata overlying the deposit.

There is one important question which Mr. Sample asks, *i.e.*, as to the time over which subsidence is likely to take place. I should like to be able to give him any other answer than "It depends on circumstances." It can be said at once that, coal having been worked out, slight subsidences may take place for an almost indefinite period thereafter, more particularly if at any time water is pumped out of old workings. If the coal is properly worked, however, and the goaf packed in a regular and systematic manner, the subsidence may be taken to go on for a period of, say, five years after the working of the coal. It is, of course, impossible to lay down a general rule, and if one

were called in to advise as to whether or not it was safe to build on land from which coal had been extracted, one would have to investigate with great care all the circumstances relating to the working of the coal and the extent to which subsidence had taken place.

I am glad that the President supports me against Mr. Sample when he says that it is possible for subsidence to take place without any actual damage being done. Taking into consideration the very large areas of coal which have been worked out in this country, and going into some of the most active coalfields, it is, I think, surprising how very little damage has been done. I know a pumping station with a very large set of engines which has been dropped 10 feet and no damage of any kind has been done to it, and in the same neighbourhood several cottages have gone down an equal distance without damage of any kind.

THE ANNUAL GENERAL MEETING,

Monday, 26th May, 1924.

Mr. J. I. DAVIDSON (President) in the Chair.

The Report of the Scrutineers, appointed at the Ordinary General Meeting of Monday, 5th May, 1924, under Article 49 of the By-laws, was read to the Meeting.

The Report declared that the following were elected a

COUNCIL FOR THE ENSUING YEAR.

Fellows.

CHARLES HERBERT BEDELLS
JOHN EVANS BIDWELL
JOHN FRIENDSHIP BOWDEN
FRANK JOHN BROWN
GEORGE TURVILLE BROWN
CHRISTOPHER CHART
HERBERT MANSFIELD COBB, C.B.E.
ARTHUR GEORGE CROSS
EDWARD SAMUEL COX
CHARLES DICKINSON
CHARLES GERALD EVE
WILLIAM HAROLD EVE
CHARLES BROWNING FISHER, C.B.E.
HARRY FRANKS
WILLIAM FRASER
CHARLES HENRY GOTT
WILLIAM TIMOTHY HALL
FREDERICK HENRY APPLETON HARDCASTLE
SIR EDGAR JOSIAH HARPER
HENRY HARTLEY
STANLEY HICKS
FRANK WILLIAM HUNT, C.V.O.
CUTHBERT LAKE
WALTER LAWRANCE
ERNEST HOLTHAM LEEDER
HENRY BURROUGHES NAPIER
REGINALD HENRY POWELL
ERNEST ALFRED RAWLENCE
JAMES AUGUSTINE RUTHERFORD
SIR EDWIN SAVILL, O.B.E.
HENRY EDWARD SHERWIN
CHARLES JOHN HOWELL THOMAS
PERCIVAL FOX TUCKETT
JOHN DAVID WALLIS
DENDY WATNEY
HARRY JOHN CAMPION WINTERTON

Professional Associates.

CHRISTOPHER TURTILL FULCHER
STANLEY VVYVIAN HICKS
SYDNEY MAGER, C.B.E.
JOHN MAUGHAN

Associates.

GEORGE MALLOWS FREEMAN, K.C.
SIR HARRY COURTHOPE MUNRO, K.C.

The Report of the Council on the affairs of The Institution and the Statement of Receipts and Expenditure for the year 1923 were read.

It was Resolved—"That the Report of the Council and the Balance Sheet be received and approved, and be printed and circulated with the *Transactions*."

It was Resolved—"That the thanks of The Institution be given to Messrs. H. C. Newmarch and H. S. Logsdon for the efficient performance of their duties as Auditors, and that they be requested to continue their services for the coming year."

It was Resolved—"That the thanks of The Institution are due and be given to the President, Vice-Presidents, and the other Members and Associates of The Council, for the able manner in which they have administered the affairs of The Institution."

It was Resolved—"That the thanks of The Institution are due and be given to Mr. A. Norman Garrard (the Honorary Secretary), to Mr. Alexander Goddard (the Secretary), and the other Officers of The Institution, for the able manner in which they have executed their several duties."

It was Resolved—"That the thanks of The Institution be given to Messrs. A. W. Baylis, C. S. Burkett-Smith, Norman Cowell, A. W. Davson, G. E. Dunnage, E. B. Gillett, H. A. Glover, P. E. Jones, H. W. Langdon, A. D. C. Le Sueur, R. B. Mann, H. T. Merrett, D. A. Rawlence, J. M. Theobald, and G. L. Vigers for their services as Scrutineers."

The Chairman presented the following Prizes won by Candidates in the Preliminary and Professional Examinations, 1924:—

THE "PENFOLD" GOLD MEDAL

for the highest marks (over 75 % of the maximum) in the Final Examination, to Harold Edward Sayer Bedford, who obtained 846 marks out of 1,000.

Mr. Bedford was also the winner of

THE "WAINWRIGHT" PRIZE,

being the Interest accruing on a Sum of £500,

awarded to the Candidate in the Final Examination who, having passed the Intermediate Examination in the Non-

Students' Division, is found to have obtained the highest number of marks in the two Examinations combined.

THE "PENFOLD" SILVER MEDAL

for the highest marks (over 75 °/₀ of the maximum) in the Students' and Non-Students' Divisions of the Intermediate Examination, to GEORGE STIRK CLARKE, who obtained 832 marks out of 1,000.

Mr. CLARKE was also the winner of

THE "INSTITUTION" PRIZE OF THE VALUE OF £15 15*s.*

awarded to the Candidate at the head of the list in the Students' Division of the Intermediate Examination.

THE "DRIVER" PRIZE,

BEING THE INTEREST ACCRUING ON A SUM OF £500,

for the highest marks obtained by a Non-Student Candidate in the Intermediate Examination, to LESLIE WAKEFIELD EVERETT, who obtained 821 marks out of 1,000.

THE "CRAWTER" PRIZE,

BEING THE INTEREST ACCRUING ON A SUM OF £200,

for the best work in "Principles and Practice of Valuation," to WILLIAM THOMAS BISHOP, in which he obtained 91 °/₀ of the maximum marks.

THE "BEADEL" PRIZE,

BEING THE INTEREST ACCRUING ON A SUM OF £200,

for the best work in the subject of "Agriculture," to HAROLD ERNEST DESCH, who obtained 91 °/₀ of the maximum marks.

THE "SPECIAL" PRIZE OF THE VALUE OF £10 10*s.*

to Frederick William Plaskett, with an aggregate of 789 marks out of 1,000.

THE "CONSTRUCTIVE AND WORKING DRAWINGS" PRIZE OF THE VALUE OF £5 5*s.*,

to Thomas Harry Nunn, who obtained 94 °/₀ of the maximum marks in this subject.

THE "QUANTITIES" PRIZE OF THE VALUE OF £5 5*s.*

to Arthur Griffiths, who obtained 88 °/₀ of the maximum marks.

THE "GALSWORTHY" PRIZE,

being the Interest accruing on a Sum of £500,

awarded to the Candidate in the Final Examination who, having passed the Intermediate Examination, in the Students' Division, is found to have obtained the highest number of marks in the two Examinations combined, to Albert William Pipe.

THE "MELLERSH" PRIZE,

being the Interest accruing on a Sum of £100,

for the best work in "Outdoor Forestry, Timber Valuing "and Measuring," to Ernest Powell Weller, who obtained 80 °/₀ of the maximum marks.

THE "PRELIMINARY" PRIZE OF THE VALUE OF £2 2*s.*

to Francis Desmond Shortall, who obtained 394 marks out of 500.

THE BERKS, BUCKS & OXON BRANCH PRIZE

to James Lockhart King, the candidate from within the Branch area who obtained the highest number of marks (over 60 °/₀) in the Intermediate Examination.

THE FIFTY-SIXTH
ANNUAL REPORT OF THE COUNCIL.

ANNUAL GENERAL MEETING,
Monday, 26th May, 1924.

In presenting their Fifty-sixth Annual Report the Council feel that they may congratulate members on another year of useful public work and on the continued progress of The Institution.

Twelve months ago the principal matter dealt with in the Report was the effort then being made to secure by legislation that persons practising in the profession should possess certain definite qualifications for their work. The Landed Property Practitioners (Registration) Bill was introduced in the House of Commons, read a first time, and printed by order of the House, but a good deal of opposition from various quarters was disclosed, and the Bill did not progress further. In the circumstances it was decided not to reintroduce the measure during the present Session of Parliament, but to employ the present year in negotiating with opposing interests in the hope that, without giving way on points of principle, some measure of agreement might be arrived at before the proposals again came before Parliament. These negotiations are still in progress.

The most important work of a public nature which has occupied The Institution during the year has been in connection with the draft Rating and Valuation Bill, which was submitted to the Council in September last by the then Minister of Health, with a request for the considered views of the profession upon the various proposals contained therein. The draft Bill was circulated to the County Branches, from which a number of useful and practical

reports were received. These together with the Bill itself were referred to a Special Committee, composed not only of surveyors practising mainly on rating questions, but also in other branches of the profession, including the management of rural and urban estates. This Committee prepared an exhaustive Report, which provided the foundation of that submitted on behalf of The Institution to the Minister of Health in February last (see *Journal*, Vol. III., p. 493). The Chairman of the Special Committee, Mr. C. Gerald Eve, was afterwards invited to confer with the officers of the Ministry on the subject, in order that the views of The Institution might be further elucidated.

The Council have also given, during the year, much attention to the housing position and the control of houses. In connection with the latter they have issued to members a further Memorandum by Mr. Graham Mould (Associate), bringing up to date the information and explaining the legal position with regard to the Rent Restrictions Act. Since then a Bill has been introduced in the House of Commons by a private Member, and has been referred to Grand Committee. Under this Bill the period of restriction would be extended, and the provisions of the 1923 Act with regard to decontrol would be, to a great extent, repealed. A Report on the Bill was prepared by the Council and forwarded to the members of the Grand Committee (see *Journal*, Vol. III., p. 569). A meeting, also, was arranged between representatives of The Institution and officers representing the Minister of Health, at which the views of The Institution as to the effect of restrictions on the housing problem were explained. In advising on these questions the Council have attempted to indicate their effect upon the real problem which has to be solved, the shortage of houses, and, in doing so, have placed in the forefront the public need rather than the immediate advantage of any particular class.

Membership.

In accordance with the usual custom tables showing the number of members in the several classes are given.

Beyond the fact that the total of those connected with The Institution now exceeds six thousand the figures call for little comment. The professional membership is practically the same as a year ago, though the losses by death or resignation slightly exceed the number of new members elected. The increase of 287 on the year is due to the large number of probationers who have been enrolled, from which class the professional membership of the future will be recruited.

TABLE A.

	Honorary Members.	Fellows.	Colonial Fellows.	Professional Associates.	Associates.	Probationers.	Students.	Total.
May, 1923	29	2568	114	2688	43	210	242	5894
„ 1924	26	2568	128	2667	42	507	243	6181
	−3	—	+14	−21	−1	+297	+1	+287

TABLE B.

	Members (or "Fellows" after 1881).	Associates.		Probationers.	Students.	Total.
		Professional.	Ordinary.			
May, 1869	162	38			2	202
„ 1870	180	59			2	241
„ 1880	342	155			10	507
„ 1890	1095	310	89		123	1617
„ 1900	1883	757	88		336	3064
„ 1910	1862	1970	75		365	4272
„ 1920	2191	2510	47	36	132	4916
„ 1921	2281	2553	47	45	205	5131
„ 1922	2541	2683	44	88	237	5593
„ 1923	2568	2688	43	210	242	5751
„ 1924	2568	2667	42	507	243	6027

Honorary Members ... 26
Colonial Fellows ... 128

1924 Grand Total ... 6181

In 1883, "Associates" were divided into "Ordinary" and "Professional" Associates.

During the year there has been an addition to the list of Honorary Members, Professor M. J. R. Dunstan, Principal of the Royal Agricultural College, Cirencester, having been unanimously elected to that class in January. Members will welcome this evidence of the continuance of the close connection which has so long existed between The Institution and the oldest of our agricultural educational centres.

The Council have to report the deaths of a number of the oldest and most respected members of The Institution. Among the Honorary Members the Earl of Jersey, Viscount Chaplin, His Honour Judge Wheeler, K.C., and Mr. Daniel Watney, have died since the last Report. It will be remembered that the last named, of whom an obituary notice appeared in the January number of the *Journal*, was elected an Honorary Member twelve months ago as an acknowledgment of his long and eminent service to The Institution.

Within a few weeks of Mr. Watney's death The Institution suffered a further severe loss in the death of another Past-President, Mr. Howard Martin (*Journal*, March), whose services to The Institution and to the profession were comparable with those of his distinguished predecessor. Mr. Martin's death was felt by his colleagues on the Council with peculiar severity, as he had been an active member of their body until attacked in December by the illness to which he succumbed.

Among other old members who have passed may be mentioned Mr. H. A. Hubbersty, Derby, and Mr. C. John Mann, London, both of whom were elected in 1869; Mr. F. H. Field, Oxford, and Mr. Dryland Haslam, Senior, Reading (1873); Mr. T. H. Burroughes, London and Lincs. (1875); Mr. C. Franklin Simmons and Mr. G. H. Westbury, both of Hants (1882); Mr. F. Hulme King, Horsham (1883); Mr. Mark Jeans, Wilts (1886); and Mr. Richard Parry, late Principal of the College of Estate Management (1887).

Among the more recently elected members the Council would refer also to the deaths of Mr. M. C. Duchesne, Slough (1902), and Mr. H. Freyberg, London (1908), who had done so much for The Institution on the Standing Committees and in the capacity of examiners.

Transfer to the Fellowship.

In order to secure uniformity in dealing with applications for transfer to the Fellowship, the Council, in 1905, laid down the rule that, before an applicant could be looked upon as eligible for the higher class of membership, he must have had not less than five years' experience as a surveyor, in circumstances approved by the Council, either—

(*a*) As a principal in an established business as defined by the By-laws;

(*b*) As a responsible manager of an established business as defined by the By-laws; or

(*c*) As head of a department in the office of a public body, reporting direct to his board or council.

While the above rules hold good, further guidance on the matter has been asked by County Branches, more particularly with regard to those cases where the business carried on by the applicant combines duties other than those covered by the surveyors' profession as defined by the By-laws. The Council have, therefore, advised County Branches that the applicant, in order to qualify for the Fellowship, should—

(i.) occupy a position of recognised standing in the profession; and

(ii.) be substantially engaged in the more technical and professional duties of a surveyor.

With regard to (i.) it is not enough to be a principal, even for five years, in a business unless it is one which is generally recognised by other surveyors and by the public as of a distinctly sound and high professional character.

With regard to (ii.) account will be taken of both the nature and extent of the business carried on by the applicant. The work of most surveyors covers duties which may be classed partly as semi-commercial and partly as professional in character. The collection of rents, the letting of houses, more particularly furnished houses and

lodgings, and a proportion of the work in connection with sales, come largely under the first head, while valuations of property, the management and development of estates, the preparation of reports and estimates, the designing, supervision and measuring up of constructional work, the settlement of light and air cases and boundary questions, and similar matters, are more distinctly professional in character. It is experience of responsibility in carrying out the latter which is looked for from the applicant for transfer to the Fellowship.

Finance.

The Auditors report that the financial position of The Institution is satisfactory. The increase by one guinea in the annual subscriptions of Fellows has enabled the ordinary running expenses of The Institution to be met out of income without encroaching upon the entrance fees, which should properly be allocated to capital, or any balance of examination receipts over expenses which may arise, and which is employed in meeting scholarship and educational charges.

During the year the Council were able to obtain exemption from the payment of inhabited house duty, which is to be abolished under the recent Budget, an exemption which qualified The Institution for a rebate in connection with water rate, resulting in a total annual saving of approximately £200.

The annual receipts from subscriptions, dividends and rentals exceeded the running expenses by £740, enabling the Council to maintain and extend the activities of The Institution in various directions, as indicated in this Report.

The Examinations.

Tables C and D show the number of candidates who sat for the Examinations and the number who passed.

Eighty-three candidates came up for re-examination in their Typical Subject, and of these 51 were successful.

The number of examinees sitting at Glasgow was 29, of

TABLE C.

Years.	Preliminary Examinations.			Professional Examinations.		
	Candidates.	Passed.	Percentage.	Candidates.	Passed.	Percentage.
1881	13	6	46·15	2	1	50·00
1890	53	44	83·01	96	70	72·91
1900	131	102	77·86	325	193	59·38
1910	130	95	73·08	623	437	70·14
1911	137	92	67·15	768	516	67·18
1912	121	78	64·46	1,102	738	68·76
1913	146	93	63·69	1,266	724	57·19
1914	145	100	68·96	1,095	670	61·19
1915	84	61	72·61	526	290	55·13
1916	44	32	72·72	140	80	57·15
1917	34	26	76·47	73	52	71·23
1918	32	24	75·00	53	40	75·47
1919	23	19	82·60	85	65	76·47
1920	70	55	78·57	487	322	62·12
1921	75	64	85·33	868	544	62·67
1922	71	59	83·09	738	478	64·77
1923	104	85	81·73	683	374	54·76
1924	103	49	47·57	732	396	54·10

whom 12 entered for the Intermediate, 10 for the Final, 2 for the Direct Fellowship, and 5 for the Typical Subjects only. Of these 15 satisfied the examiners, while 8 were referred back in their Typical Subjects.

Six candidates sat at Dublin, 2 for the Intermediate, 3 for the Final, and 1 for the Special Single. Of these 5 were successful.

The passing of the Law of Property Act, 1922, which will result in the extinction of copyhold tenure after a period of years, has necessitated an amendment in the examination rules and syllabus. The Elements of Copyholds will be eliminated from the Intermediate Examination in 1925, its place being taken by the Elements of Building Construction. The more advanced Papers on the Practice of the Enfranchisement of Copyholds will be continued in the Final Examination for the present, as a knowledge of this subject as affected by the Law of Property Act will be necessary for some years to come.

TABLE D.

England and Wales.

—	Sub-Division I. Land Agency			Sub-Division II. Valuation.			Sub-Division III. Building and Quantities.			Sub-Division IV. Mining.			Percentage of Candidates who Passed.
	Examined.	Passed.	Referred Back in Typical Subject.	Examined.	Passed.	Referred Back in Typical Subject.	Examined.	Passed.	Referred Back in Typical Subject.	Examined.	Passed.	Referred Back in Typical Subject.	
Intermediate Examination, Students	20	12	1	50	39	4	45	19	13	1	1	—	61·21
Intermediate Examination, Non-Students	50	21	1	136	70	—	94	46	21	6	3	2	48·97
Final Examination	41	28	—	90	50	22	60	27	5	6	3	2	54·82
Direct Fellowship Examination	1	1	—	3	1	—	2	1	—	1	—	—	42·85
Special Examination	5	2	—	1	1	—	1	—	—	1	—	—	37·50
Totals	117	64	2	280	161	26	202	93	39	15	7	4	52·93

The Special Diploma Examinations.

The triennial examinations for the Special Diplomas were held in June, the number of candidates presenting themselves for Forestry, Sanitary Science and Surveying being 1 in each subject, while 7 sat in Rating. Of these the following satisfied the examiners and were awarded Special Diplomas :—

In Forestry	...	Mr. Arthur D. Le Sueur.
„ Rating ...	...	Mr. Charles Butler.
„ „ ...	...	Mr. John J. Heaton.
„ „ ...	...	Mr. John B. Humphries.
„ „ ...	...	Mr. Douglas T. Pitts.
In Sanitary Science		Mr. Frank Septimus Mumford.

The entries for the Special Diploma in Rating indicate that the possession of this qualification is looked upon as a valuable professional asset. Eight candidates have entered for the examination, which will be held in June next. The Council could wish that the number of candidates entering for the other diplomas showed a similar appreciation of their value. Through the generosity of the late Mr. Daniel Watney the Council have been able to offer two travelling scholarships of £15 each to candidates coming out at the head of the Final Examination in Forestry upon their undertaking to sit for the Special Diploma in Forestry within five years, the scholarships to be expended in a course of travel and study in Great Britain or abroad to the satisfaction of the Council. It is hoped that these scholarships may induce a larger number of members to take up this interesting subject.

It has been decided to offer a Special Diploma in Agricultural and Tenant-right Valuations, the first examination for which will be held about the middle of 1925, provided that not less than five candidates signify their wish to enter before the close of the current year. Copies of the syllabus may be obtained from the Secretary.

The Examiners.

There have been several changes in the list of Institution examiners which appears below. Owing to the deaths of Mr. M. C. Duchesne and Mr. H. Freyberg it became necessary to appoint gentlemen to complete the work already begun by them, and the Council were fortunate in obtaining the services of Mr. A. D. C. Le Sueur, assisted by other holders of the Special Diploma in Forestry, in Outdoor Forestry, and Timber Valuing, and Mr. G. C. Vernon-Inkpen, Special Diploma in Sanitary Science, in

House Drainage. Mr. James Wilson undertook Mechanics and Hydrostatics, and Mr. C. A. Bennett Mensuration, in place of Major A. E. Gayer, M.C., who had expressed a wish to retire from the post of examiner in these subjects. For the new subject, Analysis of Prices, Mr. E. H. Selby kindly undertook to act as first examiner.

The Council desire to acknowledge the great indebtedness of The Institution to the examiners for their valuable services.

EXAMINERS.

MR. WILLIAM ALLEN.
MR. R. I. BARR.
MR. C. A. BENNETT.
MR. ARTHUR BODY.
MR. G. L. BRIGHTON.
MR. A. B. BROWN.
MR. J. W. WILLIS BUND, C.B.E.
MR. J. BURY.
MR. H. W. CARLTON.
MR. C. CHART.
MR. W. A. CHEEKE.
MR. ROBERT COBB.
SIR H. COURTHOPE-MUNRO, K.C.
MR. A. G. CROSS.
MR. J. L. CROUCH.
MR. W. R. DAVIDGE.
MR. DONALD DINWIDDY.
MR. C. GERALD EVE.
MR. W. H. EVE.
MR. M. FITZGERALD.
MR. WILLIAM FRASER.
MR. GORDON T. FREW.
MR. A. E. GAYER.
MR. JOHN GILCHRIST.
MR. P. F. GLEED.
LT.-COLONEL J. GRIMWOOD, C.B., D.S.O.
MR. C. O. HANSON.
MR. F. H. A HARDCASTLE.
MR. E. C. HARRIS.
MR. T. W. A. HAYWARD.
MR. EUSTACE HILLS K.C.
MR. F. HUDLESTON.
MR. JOHN HUME.
MR. FRANK W. HUNT.
PROFESSOR J. T. JACKSON.
MR. J. JOHNSTONE.
MR. E. M. KONSTAM, K.C., C.B.E.
MR. CUTHBERT LAKE.
MR. A. D. C. LE SUEUR.
MR. JOHN LUKE.
MR. W. MCCRACKEN.
MR. R. B. MANN.
MR. P. T. MAW.
MR. R. F. MIDDLETON.
MR. H. P. MONCKTON.
MR. E. C. P. MONSON.
MR. J. C. MURRAY.
MR. E. J. NALDRETT.
MR. R. M. NICHOL.
MR. T. A. O'DONAHUE.
MR. A. PAULL.
MR. J. C. PINKERTON.
MR. E. C. PINKS.
MR. H. A. PRITCHARD.
MR. W. G. S. ROLLESTON.
MR. ARTHUR LYON RYDE.
MR. E. H. N. RYDE.
MR. E. H. SELBY.
MR. E. J. SILCOCK.
MR. S. L. THACKER.
MR. GILBERT THOMSON.
MR. G. C. VERNON-INKPEN.
DR. J. A. VOELCKER.
MR. H. T. WALES.
MR. E. WALFORD.
MR. ALEXANDER WALKER, C.B.E.
MR. W. SELVES WALKER.
MR. ERNEST WATSON.
MR. H. J. WATSON.
MR. JOHN WATSON, M.B.E.
MR. M. L. WHELDON.
MR. EDWARD WILLIS.
MR. J. WILSON.
MR. LESLIE S. WOOD.
MR. H. G. B. WYATT.

The College of Estate Management.

The vacancies on the Board of Governors caused by the deaths of Mr. George Corderoy and Mr. Howard Martin have been filled by the nomination of Mr. F. H. A. Hardcastle and Mr. E. H. Leeder on behalf of The Institution.

At the beginning of the year Mr. Richard Parry, whose death has already been referred to, found it necessary, for reasons of health, to resign his office as first Principal of the College. His place has been filled by the appointment of Mr. B. W. Adkin, who had acted as Vice-Principal under Mr. Parry. The announcement of Mr. Parry's unexpected death caused the greatest regret, and the Council recognise that the sound foundation upon which the College has been placed is largely due to his effort and initiative.

During the year the proposed Provincial Centres have been established, and courses of lectures have been organised at Birmingham, Bristol, Liverpool, Manchester, and Newcastle. It is hoped by this means to bring the teaching staff more directly into touch with correspondence students.

The number of students taking courses at the College continues to justify expectations, and the value of the education provided is indicated by the fact that out of 396 successful candidates in the recent Institution examination 276 received their training at the College, taking 10 of the 14 prizes awarded.

The Institution Scholarships.

The usual competitive examination was held on behalf of The Institution by the Oxford and Cambridge Schools Examination Board in January, when 15 candidates presented themselves. The Board reported favourably on the work of a number of the candidates, and the Council decided to grant the following scholarships: Mr. A. F. Skerl and Mr. W. A. Wakefield (Westminster City School), each one of £80; Mr. E. A. Craven (Sutton Valence School), Mr. J. F. N. Craig (Haileybury College), and Mr. M. A. J. Valentine (Perse School, Cambridge), each one of £50.

The Council desire again to suggest that members, with the object of providing an additional inducement to young

men to enter upon this highest form of professional training, should inform the Secretary if they are willing to take into their offices as non-premium pupils men who have obtained University degrees in courses cognate to the profession as a result of The Institution scholarships.

The Standing and Special Committees.

In addition to fourteen meetings of the Council, there have during the year been ninety-four meetings of the Standing and Special Committees. The latter dealt respectively with the Registration Bill, the draft Rating and Valuation Bill, Housing and Rent Restriction, and the Rating of Machinery. The Council have been greatly assisted by other members of The Institution, who have acted with them on those Committees.

The holders of Special Diplomas in Forestry, Rating, and Sanitary Science have also held a number of meetings, and have submitted to the Council reports upon their particular subjects upon which action has been taken. The Sanitary Science Section in particular scrutinised in detail the drainage by-laws of the London County Council, suggesting a number of amendments which, in their opinion, were desirable. This report was adopted by the Council, and the recommendations forwarded to the County Council.

The tendency of modern legislation of late years has made it necessary for the Council to refer more and more subjects to the Standing and Special Committees for investigation and report. In addition to those already mentioned, the following have been dealt with and the appropriate action taken: leasehold enfranchisement, notices to owners under the Town Planning Acts, the Rent Restrictions Bill, 1924, and the effect of the provisions under Section 9 of the Housing, Town Planning, Act, 1919. In many instances the reports submitted to Government Departments and other bodies on the various questions dealt with have appeared in the *Journal.*

The question of surveyors' fees has also received consideration, conferences with the Auctioneers' and Estate Agents' Institute having been held with the object of

eliminating slight verbal discrepancies between the scales issued by the two societies. It is hoped that an agreement between the two bodies may shortly be reached. Arrangements with the Chancery Division of the High Court and the Board of Trade under the Bankruptcy Act, 1914, for an improvement in the remuneration allowed for professional services have already been reported in the *Journal*, as has that embodied in H.M. 64 of the Ministry of Health with regard to the fees payable to surveyors in connection with the settlement of contractors' accounts for State-aided housing schemes.

The Quantity Surveyors' Committee were responsible for carrying through the negotiations in connection with the latter with the Ministry of Health. They have also during the year adjudicated upon many matters arising out of the employment of surveyors on housing schemes and other questions referred to them. In July a conference with teachers in technical and continuation schools was arranged at the request of the Board of Education, when "The "Standard Method of Measurement of Building Works" was explained, with the object of securing its use by teaching bodies.

The Agricultural Committee has dealt with a number of matters, including uniformity in agricultural valuations, foot-and-mouth disease, the establishment of a special diploma in agricultural and tenant-right valuations, questions arising out of the Agricultural Holdings Act, 1923, and tenant-right in connection with probate valuations. On the last-mentioned question the opinion of Mr. E. M. Konstam, C.B.E., K.C., was taken (see p. 93, *Journal*, August, 1923).

The Forestry Committee, which has sustained a great loss in the death of Mr. M. C. Duchesne, arranged an important conference on 31st May last, which was attended by representatives of all the principal societies interested in the growth and disposal of timber. The chair was taken by Lord Clinton, of the Forestry Commission and the Central Landowners' Association. The principal object of the meeting was to secure a greater use of home-grown timber by

Government and local authorities, but questions of taxation and the cost of transit were also discussed. It is hoped that the action taken as a result of this conference may tend to increase the demand for home-grown timber. The Committee have also been engaged in reorganising The Institution indoor and outdoor examinations in Forestry.

The County Branches.

The Annual Conference between the Council and the Chairmen and Honorary Secretaries of the County Branches, which was held, as usual, in February, was attended by 36 Members of Council and 36 representatives of the County Branches, together with the Chairman and Secretary of the Junior Meetings. Many questions, of which notice had been given by various Branches, were discussed, and a full report of the Conference appears on page 454 of the March *Journal*. The Council welcome this opportunity of hearing in person the opinion of the Branches, and recognise that only good can come of free discussion upon matters of administration or of professional concern, in connection with which members desire their views to receive consideration.

During the year a large number of Branch meetings have been attended by the President, Members of the Council, and the Secretary, and the evidence afforded by the attendance at these meetings of the interest taken by members in all parts of the country in the work of The Institution has been highly appreciated. The Council desire to thank the Chairmen and Honorary Secretaries for their valuable co-operation, and for their services in organising and carrying through the work entrusted to them. In particular they would like to refer to the assistance given by the Branches in the preparation of the exhaustive report on the draft Rating and Valuation Bill, which enabled the Council to express the opinions of members in all parts of the country.

In June the Annual Country Meeting, of which a report has already appeared in the *Journal*, was held in Edinburgh. In spite of the distance from London it was attended by nearly two hundred members, the arrangements made by

the Scottish Branch for their comfort and entertainment being greatly appreciated by all who took part in the meeting. The growth of The Institution in Scotland, both in numbers and in status, has been very marked during the past generation. In 1897, when the President was elected a Fellow, the membership was only 33; it is now nearly 300, and the recognition accorded to The Institution by the public and by Government and other bodies north of the Border has increased proportionately.

The following table shows the officers and membership of the several Branches:—

Committee.	Chairman.	Hon. Secretary.	Number of Members.
Bedford, Essex, Hertford, and Middlesex	J. J. Done	A. W. Merry	618
Berks, Bucks, and Oxon ...	S. P. Wigley	A. S. Shorney	136
Cambridge, Huntingdon, Norfolk, and Suffolk	W. P. Theakston, M.B.E.	E. O. Hines	151
Cumberland and Westmorland	R. S. Woof	T. Brown	43
Devon and Cornwall	F. W. H. Pinsent	J. F. Bowden	119
Gloucester, Somerset, and North Wilts	A. E. Petter	R. H. K. Price	166
Hampshire, Dorset, and South Wilts	R. M. Woolley	A. S. Burnett	223
Irish Branch	J. G. Clayton	B. J. Newcombe	182
Kent	W. R. Elgar	R. Cobb	223
Lancashire and Cheshire ...	Col. H. L. Beckwith	D. O. Dunlop	436
Leicestershire, Northamptonshire, and Rutland	W. Keay	J. L. Woolley	77
London (City and Eastern) ...	H. M. Stanley	G. L. Vigers	423
London (North-West) ...	A. C. Driver	H. How	586
London (South-Western) ...	H. M. Rogers	B. Briant	506
Northumberland and Durham	James Scott	W. Turpin	125
Nottingham, Lincoln, and North Derby	W. C. C. Weetman	A. A. Walton	116
Salop, Hereford, and Mid-Wales	J. Edmonds	A. M. Hickman	61
Scottish...	W. Fraser	D. M. Mackay	275
Surrey	A. A. Brown	T. Brent	356
Sussex	Gilbert Gardner	R. M. Ogilvie	175
Wales (North)...	G. F. C. Yale	D. A. Hardcastle	41
Wales (South) and Monmouthshire	D. T. Davies	J. O. Watkins	202
Warwick, Worcester, Stafford, and South Derby	L. O. Mathews	O. L. Mathews	295
Yorkshire	J. Young	G. F. Weatherill	281

Junior Meetings.

Thanks to the efforts of the Junior Members Committee the interest in and attendance at the meetings has been fully maintained. The standard reached by the Papers read during the session, and by the discussions which have followed them, has been a high one. The ability to deal with practical questions shown by the Junior Members was particularly noticeable in connection with the model arbitration held on 31st March.

The following programme was arranged for the evening meetings :—

Date.	Subject of Paper.	Author.
1923.		
Nov. 19...	Arterial Roads as affecting Property Owners	J. P. Rhys (Professional Associate).
Dec. 17 ...	Income Tax, Schedule B ...	A. H. Halls (Professional Associate).
1924.		
Jan. 14 ...	Notes on Draft Rating and Valuation Bill	A. T. Bennett (Professional Associate).
Feb. 18 ...	Management of Small House Property	J. P. C. Done (Professional Associate).
Mar. 17...	Private Streets	W. A. Walker (Professional Associate).
Mar. 31 ...	Model Arbitration *re* Arterial Road Scheme.	
April 14	Effect of Splitting up Large Estates	C. G. Ward (Professional Associate).
May 12 ...	Annual General Meeting.	

In addition to the ordinary evening meetings an afternoon visit to the Exhibition grounds at Wembley was arranged through the kindness of Sir Herbert Daw, upwards of one hundred members taking advantage of the opportunity of seeing the works in progress. The Annual Dance was again successfully held at the Wharncliffe Rooms,

resulting in a balance profit of £56 4*s*., which was generously presented to the Benevolent Fund. The usual Annual Dinner was held at the Connaught Rooms on 25th April, Mr. S. Vvyvian Hicks occupying the chair and being supported by some 60 guests and members.

A first step has been taken in the direction of organising sport in connection with these meetings, a hockey match against the juniors of the Auctioneers' and Estate Agents' Institute being arranged, which resulted in a win for The Institution by seven goals to one.

It is satisfactory to note that the organisation of Junior Meetings outside the Metropolis is growing. For some years meetings have been regularly held in the Lancashire and Cheshire, Scottish and Yorkshire Branches, where regular programmes for the session are arranged by the Junior Committee. The movement has now extended to the Gloucestershire, &c., Branch, where five meetings were held during the winter, and to the South Wales and Warwickshire, &c., Branches, where a definite start has been made.

The Council attach the greatest importance to these organisations as providing the training ground for those who will later be responsible for carrying on the work of The Institution. They would urge all Junior Members to miss no opportunity of attending and taking their share in the meetings and discussions.

The Monthly Journal.

The following Papers have been read and discussed during the session:—

Date.	Subject of Paper.	Author.
1923. Nov. 12...	The Opening Address ...	The President.
Dec. 10...	Aeroplane Photographic Survey	Major M. N. MacLeod, D.S.O., M.C., R.E.
1924. Jan. 7 ...	Economics of Estate Management	D. T. Thring (Fellow).

Date.	Subject of Lecture.	Author.
Feb. 11 ...	Approximate Estimates ...	Alan Paull (Fellow).
Feb. 11 ...	Approximate Estimating for the Development of Building Land	J. J. Done (Fellow).
Mar. 10...	Economic Effects of the Housing Subsidy and the Rent Restriction Acts	J. Calvert Spensley, O.B.E. (Fellow).
April 7 ...	The Place of Arterial Land Drainage in Agriculture	C. H. J. Clayton, M.INST.C.E., F.G.S.
May 5 ...	Mining Subsidence	Cecil H. Bailey (Fellow).

The number of members attending the meetings shows a tendency to increase, and on several occasions the lecture hall was fully occupied. This satisfactory result has doubtless been due mainly to the greater opportunity afforded for discussion by the publication of the Papers in the *Journal* a week before the meetings, thereby allowing members to study the subjects at their leisure, and to come prepared to speak thereon.

The Council believe that the standard of interest established by the first two volumes of the *Journal* has been sustained. Articles dealing with the various branches of the profession have been published, as well as memoranda and reports issued by the Council on legislative and other proposals coming before them. Information as to the administrative work of The Institution has also been given to members through the "Extracts from Council Minutes" and "Reports of County Branches."

Two special publications have been issued to members during the year; the first, a "Memorandum on Town Planning," by the Council, with legal notes on the Housing, Town Planning, &c., Acts, by Mr. William Allen, barrister-at-law; and the second, a Memorandum, by Mr. Graham Mould (Associate), barrister-at-law, bringing up to date all the information available with regard to rent restriction after the passing of the Act of 1923.

The Forestry Museum.

The rearrangement of the Museum is now completed, and all exhibits have been relabelled and numbered. It is estimated that over 50 per cent. of the exhibits now in the Museum are new. Of these, several are temporary only, and will be removed when it is considered that they are no longer of interest or use. The large showcase formerly containing geological specimens has been emptied of these, and is now devoted to a really useful collection of insect pests. Several enquiries having been received during the past year regarding the use of explosives, a special exhibit dealing with this subject is being arranged. This will include a large glass enclosed model illustrating the method of using explosives for clearing tree stumps, which is the gift of Nobel Industries, Limited.

The new guide to the Museum was issued with the May number of the *Journal*. A full description of each major exhibit is given, and other information which, it is hoped, will be of use to members interested in the subject. Special attention is being given to the section dealing with building work.

During the past few months a considerable number of questions from members dealing with forestry matters have been dealt with, and it is hoped that members will make further use of the Museum in this way. Visitors, other than members of The Institution, have included two large parties of students from the Northern Polytechnic, members of the timber trade, and the College of Estate Management.

Miscellaneous.

In addition to matters already referred to, the Council may mention the following as having been the subject of negotiation and settlement during the period under review :—

The Inland Revenue Commissioners have agreed to the annual subscriptions to The Institution being treated as an expense in the computation of members' professional

profits for the purpose of assessment to income tax, Schedule D. The Council are urging the Commissioners to extend this arrangement to income tax, Schedule E.

The Directors of the London Auction Mart Company, which has recently absorbed the Estate Exchange, have agreed to permit members on the roll of The Institution on 1st January, 1924, to become subscribing members of the Estate Exchange, provided that their applications are received before the end of December next.

The Council of The Institution, in conjunction with that of the Institution of Civil Engineers, the Royal Institute of British Architects, and other leading professional societies, have addressed an official letter to the Prime Minister on the subject of the status of technical officers in the Civil Service, and the desirability of opening to them opportunities for promotion to the higher administrative posts.

The Council have also been in communication with the Secretary of State for War with the object of improving the conditions of service of the officers of the Staff of Royal Engineer Services by placing them in a position of complete equality with officers of other technical branches of the Army. They regret that up to the present their representations in this respect have not proved successful.

Representations made to the Ministry of Health on the subject of notices to owners of property in connection with town planning schemes, and on the hardship imposed upon owners of property by the penal provisions of Section 9 of the Housing, Town Planning, &c., Act, 1919, are still under consideration by that Department.

While from lack of information it is not possible to present a complete list, the following particulars of honours gained or public work undertaken by members of The Institution may be of interest:—

Sir William Herbert Daw (Fellow) was knighted by His Majesty; Mr. W. Edgar Horne (Past-President) was elected Mayor of Westminster; Mr. Thomas Adams (Fellow) was appointed Chief Consultant to the Committee on the Plan of New York and its Environs; Mr. A. G. W. Tickle (Fellow) Secretary to the Hong-Kong Housing Commission; Mr.

Alexander Walker, C.B.E. (Fellow), Deputy-Lieutenant for the County of the City of Glasgow; Mr. D. T. Samson (Fellow) Deputy-Lieutenant for Banffshire; and Mr. H. A. Pritchard (Fellow) Assistant Commissioner for England and Wales, Forestry Commission.

Mr. Arthur Vernon (Past-President) has had conferred upon him the freedom of the Ancient Borough of High Wycombe.

Sir Philip Pilditch (Fellow) Lieut.-Colonel George Courthope, M.C. (Associate), and Mr. A. S. Comyns Carr (Associate) were elected to Parliament at the general election in December.

Mr. A. C. Comyns Carr, M.P., has been appointed a King's Counsel.

Sir John Oakley was appointed by the Army Council and the Government of Hong-Kong to determine the price to be paid by that Government for property taken over from the Army Council.

The Royal Commission on Compensation for Suffering and Damage by Enemy Action, of which Mr. W. Edgar Horne and Sir John Oakley were members, has completed its work and issued its Final Report in February.

The Commission for determining Compensation for Injury to Persons and Property in the Irish Free State, of which Mr. C. J. Howell Thomas is the British representative, is continuing its enquiries.

A Royal Commission on Mining Subsidence has been set up, of which Mr. J. D. Wallis and Lieut.-Colonel G. Alfred Lewis, C.M.G., are members. Sir Richard Redmayne and Messrs. W. Forster Brown, S. Evans and T. A. O'Donahue have given evidence before it.

The Disposal and Liquidation Commission under the chairmanship of Sir Howard Frank, Bt., K.C.B., by which the Exchequer has benefited to the extent of £670,000,000, completed its work on the 31st March last.

A Departmental Committee on the Rating of Machinery in England and Scotland has been appointed by the Minister of Health. Three members of The Institution, Messrs. C. Gerald Eve, A. A. Lorimer, and J. Spain, are acting

thereon, and Mr. W. Harold Eve has given evidence before it on behalf of The Institution.

Sir Theodore Chambers, K.B.E., is Chairman of the Rents Tribunal in connection with Housing Schemes.

Mr. Harry German, Past-President of the National Farmers' Union, was a member of the Departmental Committees on Customs Duty on Imported Malting Barley and on Foot-and-Mouth Disease.

The Hon. Edward Strutt, C.H., was appointed by the late Government as a member of the Tariff Advisory Committee, which was rendered abortive by the General Election.

Sir Edgar Harper and Mr. C. L. Fielder, C.B.E., were appointed members of the Inter-Departmental Committee on Valuation for Sale of Land and Buildings.

The Committee on Prices of Building Materials, of which Sir Theodore Chambers, K.B.E., and Mr. J. Walker Smith are members, has continued its work.

Mr. A. J. Brickwell, C.B.E., was nominated to represent The Institution on the International Navigation Congress, and Mr. W. Forster Brown and Mr. T. H. Bailey on the Empire Mining Congress.

ADDENDUM.

Notes from the Reports of the Examiners.

The examiners again comment on the fact that many candidates, while possessing apparently a fair text-book knowledge of their subjects, fail to grasp the underlying principles, and are, therefore, unable properly to apply their knowledge to the practical questions which arise in their profession. Students preparing for the examination should endeavour to supplement their bookwork by observation and examination of practical examples.

Many candidates still give too little attention to the questions actually set, or to the need for expressing themselves in a concise, orderly, and intelligible manner. They would do well to bear this criticism in mind, not only for the immediate purposes of the examination, but for guidance in connection with their future professional work. Many marks were lost by failure to read the questions carefully, by failure to give instances where such were expressly asked for, and by apparent lack of time caused by enlarging at considerable length on matters not included in a question.

The following criticisms of the work of candidates apply to particular subjects :—

Agriculture.—While the standard of attainment was on the whole good, the knowledge of the composition of artificial manures, and the uses and crops for which they are specially adapted, was less precise than on some former occasions.

Agricultural Chemistry.—The level of knowledge shown in all branches of this subject is far too low. With the exception of one question, No. 1, nothing was asked which called for special acquaintance with recent developments in agricultural chemistry ; the remaining questions were all of an ordinary and general nature, but few candidates showed themselves as practically acquainted with the subject.

Agricultural Law.—While a satisfactory knowledge was shown on recent legislation dealing specially with agriculture, regrettable ignorance was displayed on elementary matters connected with the law of real property and the meaning of ordinary legal terms. The distinction between temporary and permanent legislation was not generally appreciated.

In Question 5 candidates failed to recognise that an angling club could not rent a fishery. There must be some named member or members to act on behalf of the club. A good deal of ignorance was also displayed in Question 10 as to the powers of a trustee in bankruptcy, although a land agent might have to come to a prompt decision at a creditors' meeting in which his employer was interested.

Building Estates.—The knowledge of present-day costs of road-making, which was displayed, was poor. Lack of experience was also exhibited in economical lay-out, double frontages to houses, which could have been avoided, being shown. Further study should be given to the method of calculating the sizes of sewers required for estate development, and to the requirements in connection with the preparation and deposit of building and street dedication plans with local authorities.

Constructive and Working Drawings.—The work of the candidates in the Intermediate Examination was of a very low standard. They require both greater experience in draughtsmanship and a better grasp of the ordinary principles of construction.

In the Final (Non-Typical), the written work was very fair, but answers to questions requiring illustration by drawing show a want of knowledge in construction or an inability to express such knowledge by draughtsmanship.

Copyholds.—Where candidates failed was chiefly in connection with the enfranchisement calculations. The method of carrying out these calculations appears to have been insufficiently grasped.

Fixtures, Dilapidations, and Easements.—There was a

failure to appreciate the distinction between waste and dilapidations.

The examiner points out with regard to the fair-wear-and-tear proviso in Question 2 that the tenant's rights are confined to the proviso, and that, if he does not exercise his rights with regard to fair wear and tear, he will lose them. By not doing the repairs he will, on the lease coming to an end, have deprived himself of the benefit of the proviso.

Geology and Soils.—A large proportion of the candidates gave peat as one of the economic products of the Carboniferous System.

Imperial Taxation.—Candidates are inclined to waste time in setting out lengthy schedules of the rates of estate and other duties, which might be more profitably employed.

Law of Landlord and Tenant.—The practical importance of the provisions for gradual decontrol, provided for in the Rent Restrictions Act, 1923, had been overlooked by some candidates. Few of the candidates who attempted Question 6 appreciated the effect of Sections 10 and 16 of the Agricultural Holdings Act, 1923, upon claims by a landlord against his tenant.

Mine Rents and Royalties.—Students with a general mining experience should not find this subject difficult if they study the pamphlet on "Mine Rents and Royalties" published by The Institution. They cannot expect sufficiently to cover the subject by the, as a rule, limited experience which a young man will have acquired in a few years of practice.

Quantities (Non-Typical).—The results showed a regrettable lack of acquaintance with the "Standard Method of "Measurement." The principles laid down in that official publication should be looked upon as the governing work in this subject.

In the Typical papers the work was, on the whole, very fair, though further study in respect of the measurement of the labours on stonework, and practice in abstracting and

billing, is desirable. Sufficient attention is not always given to neatness in work and putting down good descriptions. Local methods of taking off, when in conflict with the principles laid down in the "Standard Method," should be avoided.

Quantities (Analysis of Prices).—As this subject was included in the examination for the first time on this occasion, the comments of the examiner are given in full, viz. :—

The standard reached by the candidates, as a whole, was poor.

The questions invited the candidates to build up prices in detail upon specific data, without calling upon them to exercise their knowledge of the cost of materials which, at the present time, is frequently changing and varies according to locality, the object of the questions being to test the candidates' capability of arriving at correct results upon given figures. The candidates' views upon prices, without analysis, were not required, as it was considered that the mere knowledge of any price, without analysis, was of no service.

The particulars and prices given for the information of the candidates were either misunderstood or disregarded.

The candidates did not fully appreciate the questions, and one very important fact, the increase in excavated bulk of clay, was ignored by them all. The question of shrinkage of materials in preparation and mixing was, to a large extent, overlooked by the candidates. The methods of building up the prices in detail were not concise, and a great deal of time was wasted in endeavouring to prove too much. The question of the cost of handling the materials at the site was entirely ignored with the exception of four candidates, and these four dealt only with the question of handling one of the many materials.

Report: Sub-Division I.—Many papers left out or only referred in the most cursory and incidental manner to salient points on which opinion was asked. Few showed

that they knew that valuation tables might at times be usefully employed in valuing leasehold properties.

Roofs: Iron and Timber.—The knowledge in respect of the riveting of joints was distinctly better, the weakest point on this occasion being in the design of compression members in the steel roof.

Surveying and Levelling.—In spite of many past criticisms comparatively few candidates understood how to "carry "forward" levels to the next page. In some cases a bench-mark was plotted and linked up on the drawing with the longitudinal section. Logarithmic calculations were, in a number of cases, carelessly executed. The solution of triangles, chain triangulation, and the effect of using a chain of incorrect length (particularly as regards areas), should all be studied more carefully.

Valuation Tables.—Many candidates do not know when or how to use a year's purchase table, allowing for a sinking fund to be invested at a lower rate per cent. than that at which the yield from the property is valued. In view of the high rate of return at present expected from property purchased as an investment where a sinking fund is required, and the comparatively low rate at which a sinking fund policy can be taken out, it would be well for all candidates to study thoroughly the reason for and the use of dual rate tables.

Valuation of Mineral Properties.—Candidates wasted time in a refinement of calculation, which distracted their attention from more vital points of principle.

Vendors and Purchasers, Law of.—The question on bills of sale was answered far less well than any of the others.

1923. BALANCE SHEET,

ASSETS.—General Account.	£ s. d.	£ s. d.
Cash at Bankers and in hands of Secretary :—		
Current Account (including £75 Petty Cash) ...	279 0 1	
Deposit Account...	5,000 0 0	
		5,279 0 1
£4,156 15 7 3½ % Conversion Loan at 75¾... ...	3,148 15 2	
3,399 4 4 New South Wales 3 % Inscribed Stock at 79	2,685 7 8	
1,811 1 11 New South Wales 4 % Inscribed Stock at 83	1,503 4 3	
1,240 3 1 Metropolitan Water Board 3 % B Stock at 63	781 5 11	
3,314 18 7 India 3 % Stock at 56	1,856 7 2	
		9,975 0 2
The Leasehold Premises (999 years from 1893) No. 11, Great George Street, S.W., at cost		20,230 19 8
Furniture		1,210 9 2
Library, Forestry, and Geological Account.		
£3,355 12 8 3½ % Conversion Loan at 75¾... ...	2,541 17 4	
401 16 9 West Australian Government 4 % Inscribed Stock at 83	333 10 5	
Library, Forestry, and Geological Collection	2,453 16 0	
Cash at Bankers on Current Account	820 12 3	
		6,149 16 0
Prize Endowment Account.		
Cash at Bankers on Current Account	0 14 9	
£503 1 11 India 3 % Stock at 56	281 14 8	
173 0 0 London Midland and Scottish Railway 4 % Debenture Stock at 80	138 8 0	
254 0 0 London and North Eastern Railway 4 % Second Guaranteed Stock at 79 ...	200 13 2	
1,316 10 3 3½ % Conversion Loan at 75¾	997 5 2	
440 10 8 India 3½ % Stock at 65	286 6 11	
500 0 0 Courage & Co. 3½ % B Debenture Stock at 59	295 0 0	
		2,200 2 8
Prize Endowment Income Account.		
Cash at Bankers on Current Account		245 8 10
Scholarship Account.		
£3,845 3 5 3½ % Conversion Loan at 75¾... ...	2,912 14 5	
1,988 1 7 Metropolitan Water Board 3 % B Stock at 63	1,252 9 9	
1,813 3 0 Queensland 4 % Inscribed Stock (1940-50) at 80	1,450 10 7	
2,324 14 0 New Zealand 4 % Inscribed Stock (1943-63) at 86	1,999 4 10	
1,600 0 0 Canadian Pacific Railway 4 % Debenture Stock at 80	1,280 0 0	
		8,894 19 7
Staff Superannuation Fund.		
1,011 3 4 5 % War Stock Inscribed at 99¾ ...		1,008 12 9
Guarantees to Public Trustee.		
Cash at Bankers on Current Account		13 2 10
Amounts due, but not received at date, viz.:—		
Subscriptions	1,423 5 6	
Hire of Rooms	119 14 0	
Rent of Offices (Tribunal of Appeal)	36 10 0	
Rent of No. 11, Great George Street	225 0 0	
		1,804 9 6
		£57,012 1 3

31ST DECEMBER, 1923.

LIABILITIES.	£	s.	d.	£	s.	d.	1923.
Accumulations Account				36,458	9	8	
Library, Forestry, and Geological Account				6,149	16	0	
"Prize Endowment" Capital Account				2,200	2	8	
"Prize Endowment" Income Account				245	8	10	
Scholarship Account—General	7,614	19	7				
" " "Penfold"	1,280	0	0				
				8,894	19	7	
Public Trustee Guarantees				13	2	10	
Staff Superannuation Fund				1,008	12	9	
Sundry Creditors, Due to				2,041	8	11	

We report that with the assistance of the Chartered Accountant we have examined the foregoing Accounts, and have obtained all the information and explanations that we required; and in our opinion such Accounts are correct. The foregoing Balance Sheet is properly drawn up so as to exhibit the true and correct state of The Institution according to the best of our information and the explanations given to us and as shown by the books of The Institution.

H. C. NEWMARCH,
H. STEWART LOGSDON,
Auditors.

We have examined the receipts and payments affecting the Accounts for the year ended December, 1923, and find the same in good order and vouched. We have also examined the Deeds and Securities, and certify that they were in possession and safe custody as on the 31st December, 1923.

TANSLEY WITT & Co.

5, Chancery Lane, London, W.C. 2.
6th May, 1924.

£57,012 1 3

RECEIPTS. FOR THE YEAR ENDED

1923.		£ s. d.	£ s. d.	£ s. d.
Dec. 31st.	INCOME ACCOUNT :—			
	To 2,153⅜ Fellows' Subscriptions at £4 4*s.*	9,044 3 6		
	„ 144 Fellows' Subscriptions (Resident in Ireland) at £3 3*s.* ...	453 12 0		
	„ 18 Fellows' Subscriptions, half Subscription List at £2 2*s.* ...	37 16 0		
	„ 90 Fellows' Subscriptions, Arrears at £3 3*s.*	283 10 0		
	„ 28¼ Fellows' Subscriptions, paid in advance for 1924 at £4 4*s.* ...	118 13 0		
	„ 5 Fellows' Subscriptions, paid in advance for 1924 at £3 3*s.* ...	15 15 0		
	„ 29 Differences of Subscription on Transfer at £2 2*s.*	60 18 0		
	„ 1 Difference of Subscription on Transfer at £1 1*s.*	1 1 0		
			10,015 8 6	
	„ 2,346 Professional Associates' Subscriptions at £2 2*s.*	4,926 12 0		
	„ 180½ Professional Associates' Subscriptions, Arrears at £2 2*s.* ...	379 1 0		
	„ 143½ Professional Associates' Subscriptions, paid in advance for 1924 at £2 2*s.*	301 7 0		
	„ 1 Professional Associates' Subscription, paid in advance for 1925 at £2 2*s.*	2 2 0		
	„ 22 Professional Associates' Subscriptions, reinstated at £2 2*s.* ...	46 4 0		
			5,655 6 0	
	„ 239 Students' Subscriptions at £1 1*s.*	250 19 0		
	„ 51 Students' Subscriptions, paid in advance for 1924 at £1 1*s.* ...	53 11 0		
			304 10 0	
	„ 91 Probationers' Subscriptions at £1 1*s.*	95 11 0		
	„ 198 Probationers' Subscriptions, paid in advance for 1924 at £1 1*s.* ...	207 18 0		
			303 9 0	
	„ Hire of Rooms		411 12 0	
	„ Dividends and Interest		427 1 10	
	„ Rent of Leasehold Property, No. 11, Great George Street, S.W. 1	675 0 0		
	Less Ground Rent on the same ...	251 12 6		
			423 7 6	
	SCHOLARSHIPS ACCOUNT :—			
	To Dividends...		286 9 4	
				17,827 4 2
	EXAMINATIONS ACCOUNT :—			
	To Candidates' Examination Fees ...	2,936 3 6		
	„ Sale of Syllabus	108 6 0		
			3,044 9 6	
	Less Examination Expenses ...		1,870 8 5	
				1,174 1 1
	CAPITAL ACCOUNT :—			
	To 22 Fellows' Entrance Fees at £7 7*s.* ...	161 14 0		
	„ Fellows' Differences of Entrance Fees	118 13 0		
			280 7 0	
	„ 1 Associates' Entrance Fee at £3 3*s.*	3 3 0		
	„ 8 Colonial Fellows' Entrance Fees at £5 5*s.*	42 0 0		
	„ 157 Professional Associates' Entrance Fees at £4 4*s.*	659 8 0		
			704 11 0	
				984 18 0
1923.	„ Cash at Bankers on Deposit Account ...		1,500 0 0	
Jan. 1st	„ „ Current Account ...		901 15 6	
	„ Petty Cash in hands of Secretary ...		75 0 0	
				2,476 15 6
				£22,462 18 9

31ST DECEMBER, 1923. PAYMENTS.

	£ s. d.	£ s. d.	£ s. d.
By *Journal:* Reporting and Publication...	2,753 10 4		
Less Amount received from Advertisements	575 15 8		
		2,177 14 8	
„ Housing and Town Planning Memorandum		198 2 7	
„ Rent Restrictions Act (1923) Memorandum		158 13 10	
„ Salaries		3,585 11 4	
„ Wages and Pension		461 2 9	
„ Postage and Receipt Stamps, General...	534 12 10		
„ „ „ „ *Journal* ...	508 8 8		
		1,043 1 6	
„ Rates, Taxes, Corporation Duty, and Insurance	2,383 15 10		
„ Staff Endowment Insurance	248 17 4		
		2,632 13 2	
„ Ground Rent, *less* Tax	800 15 0		
Less Rent received from Tribunal of Appeal and Official Arbitrator	170 0 0		
		630 15 0	
„ Fuel, Light, and Water		331 2 4	
„ Stationery and Account Books ...		188 0 9	
„ Repairs		126 13 9	
„ Printing and Lithography		1,043 1 6	
„ Donations for Professional Objects ...		176 1 0	
„ Donation to College of Estate Management		500 0 0	
„ Parliamentary Papers and Periodicals...		78 17 3	
„ London and County Branches and Junior Meetings		1,639 6 7	
„ Country Meeting—Edinburgh ...		200 2 4	
„ Law Charges		28 1 0	
„ Scholarship Account :— Terms, Fees, &c....		460 8 6	
„ Housekeeper's Account, Sundries and Deficit on Annual Dinner ...		837 5 10	
„ Registration Bill		22 11 0	
„ Standard Methods of Measurement ...		180 12 0	
„ Staff Superanuation Fund :— Purchase of 5% War Stock ...		381 10 0	
			17,081 8 8
CAPITAL ACCOUNT :—			
By Purchase of Furniture		102 10 0	
			102 10 0
„ Petty Cash in hands of Secretary ...	75 0 0		
„ Cash at Bankers, Current Account ...	204 0 1		
„ „ Deposit Account ...	5,000 0 0		
		5,279 0 1	
			5,279 0 1
			£22,462 18 9

"PRIZE ENDOWMENTS"

1923.		£	s.	d.
Dec. 31st.	To Balance carried forward to 1924, viz. :—			
	"Beadel" Prize—			
	£173 London Midland and Scottish Railway 4 % Debenture Stock at 80	138	8	0
	"Crawter" Bequest—			
	£254 London and North Eastern Railway 4 % Stock at 79	200	13	2
	"Driver" Bequest—			
	£440 10*s.* 8*d.* India 3½ % Stock at 65	286	6	11
	"Galsworthy" Gift—			
	£500 Courage & Co. 3½ % B Debenture Stock at 59	295	0	0
	"Watney" Gift—			
	£421 19*s.* 6*d.* 3½ % Conversion Loan at 75⅝ ...	319	13	0
	"Mellersh" Bequest—			
	£138 9*s.* 9*d.* 3½ % Conversion Loan at 75⅝ ...	104	18	0
	"Wainwright" Bequest—			
	£756 1*s.* 3½ % Conversion Loan at 75⅝	572	14	2
	"Penfold" Gift—			
	£503 1*s.* 11*d.* India 3 % Stock at 56	281	14	8
	Cash at Bank		14	9
		£2,200	2	8

"PRIZE ENDOWMENTS"

1923.		£	s.	d.	£	s.	d.
Dec. 31st.	To Paid for "Beadel Prize"	22	3	6			
	,, Paid for "Crawter Prize"	10	2	6			
	,, Paid for "Driver Prize"	14	1	0			
	,, Paid for "Galsworthy Prize"	13	10	6			
	,, Paid for "Mellersh Prize"	5	9	6			
	,, Paid for "Wainwright Prize"	26	12	0			
	,, Paid for "Penfold" Medals	22	15	0			
					114	14	0
	,, Balance carried forward to 1924... ...				245	8	10
					£360	2	10

CAPITAL ACCOUNT.

1923.		£	s.	d.
Jan. 1st.	By Balance brought forward from 1922 (including 14*s.* 9*d.* cash balance)	2,181	7	0
Dec. 31st.	,, Increase on Annual Revaluation of Investments ...	18	15	8
		£2,200	2	8

INCOME ACCOUNT.

1928.		£	s.	d.	£	s.	d.
Jan. 1st.	By Balance brought forward from 1922 ...				243	12	7
Dec. 31st.	,, Dividends for year to date (*less* tax) and Income Tax returned to April, 1923 :—						
	"Beadel" Bequest	7	13	11			
	"Crawter" Bequest	10	7	1			
	"Driver" Bequest	15	12	2			
	"Galsworthy" Gift	17	14	5			
	"Watney" Gift	13	0	9			
	"Mellersh" Bequest	4	6	6			
	"Wainwright" Bequest	26	15	9			
	"Penfold" Gift	15	5	5			
					110	16	0
	,, Excess Expenditure carried to General Prize Account ...				5	14	3
					£360	2	10

LIBRARY, FORESTRY, AND

1923.		£ s. d.	£ s. d.
Dec. 31st.	To Purchase of Books, Maps, &c.:—		
	General Library	54 8 0	
	Loan Library	43 17 6	
		98 5 6	
	Less amount refunded ...	0 2 6	
			98 3 0
	„ Annual Subscriptions:—		
	London Society	1 1 0	
	London Topographical Society ...	1 1 0	
	British Fire Prevention Committee ...	2 2 0	
			4 4 0
	„ Honorarium to Forestry Curator ...		52 10 0
	„ Printing and Stationery		29 7 5
	„ Binding		15 0 0
	„ Insurance		7 9 2
	„ Grants to County Branch Library ...		15 0 0
	„ Forestry Catalogue		21 0 0
	„ Record Case for Roll of Members on War Service		12 10 0
	„ Sundry Disbursements		33 18 6
	„ Depreciation...		190 4 4
	„ Balance carried forward to 1924:—		
	Cash at Bank	820 12 3	
	£3,355 12*s.* 8*d.* 3½ % Conversion Loan at 75¾	2,541 17 4	
	£401 16*s.* 9*d.* West Australian Government 4 % Stock at 83	333 10 5	
	Value of Books, Forestry, and Geological Collection	2,453 16 0	
			6,149 16 0
			£6,629 2 5

CAPITAL ACCUMULATIONS

1923.		£ s. d.
Dec. 31st.	To Depreciation of Furniture	58 6 3
	„ Balance carried forward to 1924	36,458 9 8
		£36,516 15 11

GEOLOGICAL ACCOUNT.

1923.		£ s. d.	£ s. d.
Jan. 1st.	By Balance brought forward from 1922		6,014 4 9
Dec. 31st.	„ Increased Values at this date:—		
	Books purchased	98 5 6	
	„ presented	9 10 0	
			107 15 6
	„ Dividends		76 2 3
	„ Donations		409 17 6
	„ Increase on Annual Revaluation of Investments ...		21 2 5
			£6,629 2 5

ACCOUNT.

1923.		£ s. d.
Jan. 1st.	By Balance brought forward from 1922	32,771 3 11
Dec. 31st.	„ Balance brought from Examinations Account ...	1,174 1 1
	„ Balance brought from Receipts and Payments (Capital Account)	984 18 0
	„ Balance brought from Receipts and Payments (Income Account)	745 15 6
	„ Increase in Outstanding Accounts	120 2 0
	„ Decrease in Liabilities	665 7 4
	„ Increase on Annual Revaluation of Investments ...	55 8 1
		£36,516 15 11

LIBRARY.

DONATIONS OF BOOKS, MAPS, &c.,

1st June, 1923, *to* 31*st May*, 1924.

DONOR.	TITLE OF WORK.
Accountant, Editor of the...	"The Accountant," 1923-1924.
Adkin, B. W.	Adkin, B. W., and D. Bowen, "The Law relating to Fixtures," 1923.
Agricultural Gazette, Editor of the	"The Agricultural Gazette," 1923-1924.
Agricultural Organisation Society	Report for 1923.
Agriculture, Ministry of ...	"Journal," 1923-1924. International Institute of Agriculture :— "Bulletins of Agricultural Intelligence," 1923-1924. "Bulletins of Economic and Social Intelligence," 1923-1924.
American Institute of Mining Engineers	"Mining and Metallurgy," 1923-1924.
Architect, Editor of the ...	"The Architect," 1923-1924.
Architects' and Surveyors' Assistants' Professional Union	"Journal," 1923-1924.
Architect's Journal, Editor of the	"The Architect's Journal," 1923-1924.
Associazione Nationale Ingegneri Italiani	"Ingegneria," 1923-1924.
Auctioneers' and Estate Agents' Institute	"Journal," 1923-1924.
Barnes, Major Harry ...	Barnes, Major Harry, "Housing," 1923.
Bath and West and Southern Counties Society	"Journal," 1924.
Batsford, Messrs.	Fletcher, "Quantities," 9th edition [1923].
Board of Trade Journal, Editor of the	"The Board of Trade Journal," 1923-1924.
Bowen, D.	Bowen, D., "Mines and Quarries Acts," 1923.
Boyle, R.	Boyle, R., "The Ventilation of Public Buildings," 1923.

Donor.	Title of Work.
British Engineering Standards Committee	"Various Standard Specifications."
British Engineers' Association	"Steel Structural Section," Quarterly Journal, 1923-1924.
British Farmer, Editor of the	"The British Farmer," 1923-1924.
British Fire Prevention Committee	"Take Care," 1923-1924.
Builder, Editor of the ...	"The Builder," 1923-1924.
Building News, Editor of the	"The Building News," 1923-1924.
Casely, J. R.	Faber and Bowie, "Reinforced Concrete Design": Vol. 1, Theory; Vol. 2, Practice. 1919-20.
Ceylon:—Director of Public Works	Bingham, P. G., "History of Public Works Department," Vol. III.
Central Landowners' Association	"Quarterly Circular," 1923-1924.
Civil Engineering, Editor of	"Civil Engineering," 1923-1924.
Concrete, Editor of ...	"Concrete," 1923-1924.
Contract Journal, Editor of the	"The Contract Journal," 1923-1924.
Corporation of Insurance Brokers	"Journal," 1923-1924.
Country Gentlemen's Association	"Estate Magazine," 1923-1924.
Eggar, J. A.	Eggar, J. A., "Life and Customs in Gilbert White's, Cobbett's and Kingsley's Country."
Empire Forestry Association	"Journal," 1922-1923.
Empire Production and Export, Editor of	"Empire Production and Export," 1923-1924.
Engineer, Editor of the ...	"The Engineer," 1923-1924.
Engineering Review, Editor of the	"The Engineering Review," 1923-1924.
Estates Gazette, Editor of the	"The Estates Gazette," 1923-1924.
Evershed, W. L.	Evershed, W. L., "Quantity Surveying for Builders," 1923.
Exley-Fisher, T.	Exley-Fisher, T., "The Work of the Labour Company in France during the War," 1923. (Pamphlet.)
Farmers' Club	"Journal," 1923-1924.
Field, Editor of the ...	"The Field," 1923-1924.
Garden Cities and Town Planning Institute.	"Journal," 1923-1924.

Donor.	Title of Work.
Gardiner, R. Strachan ...	Gardiner, R. S., "The Agricultural Landowner's Handbook on Taxes, Rates, and Tithe."
Garrard, A. Norman ...	Tanner, L. E., "Westminster School," 1923.
Geologists' Association ...	"Proceedings," 1923-1924.
Gilbert-Lodge, E. M. ...	Gilbert-Lodge. E. M., "Development of Bombay," 1923. (Pamphlet.)
Harvey, E. J.	Harvey, E. J., "The Law of Property Act," 1923.
Highland and Agricultural Society of Scotland	"Transactions," Vol. 35, 1923.
Hunt, Frank	Hussey, Rev., "Notes on the Churches in the Counties of Kent, Sussex, and Surrey," 1852. Smeaton, A. C., "The Builder's Pocket Manual," 1854. "Some Particulars relating to the History of Epsom," 1825.
Illinois University	"Bulletins."
Illuminating Engineer, Editor of the	"The Illuminating Engineer," 1923-1924.
Illustrated Official Journal (*Patents*), Editor of the	"The Illustrated Official Journal (Patents)," 1923-1924.
Imperial College of Tropical Agriculture	"Journal," 1923-1924.
Institute of Arbitrators ...	"Journal," 1923-1924.
Institute of Industrial Administration	"Journal," 1923-1924.
Institution of Civil Engineers	"Proceedings," 1923-1924.
Institution of Civil Engineers of Ireland	"Transactions," 1923-1924.
Institution of Electrical Engineers	"Journal," 1923-1924.
Institution of Mechanical Engineers	"Proceedings," 1923-1924.
Institution of Mining Engineers	"Transactions," 1923-1924.
Institution of Municipal and County Engineers	"Journal," 1923-1924.
Institute of Structural Engineers.	"Journal," 1923-1924.
Institution of Professional Civil Servants	"State Technology," 1923-1924.

Donor.	Title of Work.
Johnson, B. Marr	Faulkner, T. "An Historical and Topographical Account of Fulham, including the hamlet of Hammersmith," 1813.
Junior Institution of Engineers	"Journal," 1923-1924.
Labour, Ministry of ...	"Labour Gazette," 1923-1923.
Land Agents' Record, Editor of the	"The Land Agent's Record," 1923-1924.
Land Agents' Society ...	"Journal," 1923-1924.
Land and Liberty, Editor of	"Land and Liberty," 1923-1924."
Land Union	"Journal," 1923-1924.
Law Journal, Editor of the	"The Law Journal," 1923-1924.
Law Society...	"Gazette," 1923-1924.
Local Government Journal, Editor of the	"The Local Government Journal," 1923-1924.
London and Middlesex Archæological Society	"Transactions," 1922.
London Society	"Journal,"1923-1924.
Long, John (*Publisher*) ...	Grant, Captain W. A., "The Topography of Stane Street," 1923.
Machine Woodworker, Editor of the	"The Machine Woodworker," 1923-1924.
Manchester Steam Users' Association	"Memorandum of Chief Engineer for 1922."
Master Builders' Association	"Journal," 1923-1924.
Methuen & Company, Ltd.	Ashead, S. D., "Town Planning and Town Development" [1923].
Miller, W. M.	Miller, W. M., "Mines (Working Facilities and Support) Act, 1923."
Mining World, Editor of the	"The Mining World," 1923-1924.
Mirams, A. E.	Mirams, A. E., "Development of Karachi," 1923.
Modern Transport, Editor of	"Modern Transport," 1923-1924.
Municipal Engineering, Editor of	"Municipal Engineering," 1923-1924.
National Housing and Town Planning Council	Aldridge, "The National Housing Manual."
New South Wales, Government of	"Report of the Department of Public Works for the year ended June, 1923."
Nokes, W. F.	Nokes, W. F., "The Law relating to Mortgages and Receiverships," 1923.

Donor.	Title of Work.
Pitman, Sir Isaac & Son ...	Crewe, A. W., W. T. Cresswell, and A. Hunnings, "Rates and Rating," 1923.
Property-Owners' Protection Association	"The Property-Owners' Journal," 1923-1924.
Quarry, Editor of the	"The Quarry," 1923-1924.
Road Congress, Secretary of	Permanent International Association of Road Congresses; 4th Congress, Seville, 1923;—General Reports.
Roads and Road Construction, Editor of	"Roads and Road Construction," 1923-1924.
Rothamstead Experimental Station	"Report," 1921-1922.
Royal Dublin Society ...	"Scientific Proceedings," 1923-1924.
Royal Engineers' Institute...	"Journal," 1923-1924.
Royal English Arboricultural Society	"Quarterly Journal of Forestry," 1923-1924.
Royal Geographical Society of Australasia	"Queensland Geographical Journal," Vols. 36-38, 1920-1922.
Royal Institute of British Architects	"Journal," 1923-1924.
Royal Sanitary Institute ...	"Journal," 1923-1924.
Royal Scottish Arboricultural Society	"Transactions," 1923-1924.
Royal Statistical Society ...	"Journal," 1923-1924.
Société des Géomètres Experts de France	"Journal," 1923-1924.
Society of Architects ...	"Architecture," 1923-1924.
Society of Engineers ...	"Transactions" for 1923.
South Africa:—Ministry of Agriculture	"Journal of the Department of Agriculture," 1923-1924. "Weeds of South Africa," Part I.
South Wales Institute of Engineers	"Proceedings," 1923-1924.
Stevens & Sons	Spencer, A. J., "The Agricultural Holdings Act, 1923," 7th edition, 1924.
Stock Exchange Gazette, Editor of the	"The Stock Exchange Gazette," 1923-1924.
Stone Trades Journal, Editor of the	"The Stone Trades Journal," 1923-1924.
Surveyor, Editor of the ...	"The Surveyor," 1923-1924.
Sweet & Maxwell, Messrs....	Bowen, David, "Mines and Quarries Act, 1923." Jackson's "Agricultural Holdings."
Thompson, E. Longstreth ...	Thompson, E. Longstreth, "Site Planning Practice," 1923.

Donor.	Title of Work.
Timber News, Editor of	"Timber News," 1923-1924.
Union Internationale des Villes	"Tablettes Documentaires Municipales," 1923-1924.
Walmesley, Mrs. A. T. ...	Wilson and Walmesley, "Types of Works for Berthing Ships of great draught in Tidal Seas." (Pamphlet.)
Water, Editor of	"Water," 1923-1924.
West, Walter	Laxton's Builders' Prices, 1845. Salmon, W., "The London and County Builders' Vade-Mecum," 1754.

DONATIONS TO THE LIBRARY FUND.

	£	s.	d.
Andrews, T. E.	2	2	0
Appleyard, S. W.	2	2	0
Apthorpe, H. G.	2	2	0
Armitage, F. G.	2	2	0
Arscott, L. C.	2	2	0
Baker, E. J.	2	2	0
Bates, L. R.	2	2	0
Bee, D.	2	2	0
Belcham, A. S.	2	2	0
Best, H.	3	3	0
Blyth, C. K.	2	2	0
Bowyer, E. B.	2	2	0
Bridges, A.	2	2	0
Brown, C.	3	3	0
Brown, T.	2	2	0
Browne, E. G.	2	2	0
Brunt, F.	2	2	0
Burnett, W. J. F.	2	2	0
Cameron, D.	2	2	0
Carnegy, D. J.	2	2	0
Cathrall, L. G.	2	2	0
Clarke, F. E.	2	2	0
Colyer, C. E.	2	2	0
Cliffe, T. S.	2	2	0
Coombe, R. T.	2	2	0
Cotton, A. J. P.	2	2	0
Dallow, L.	2	2	0
Davies, J. L.	2	2	0
Davies, P. L.	2	2	0
Davies, S.	2	2	0
Dowse, A. T.	2	2	0
Dunch, C. R.	2	2	0
Elliott, R.	2	2	0
Evans, H. L. V.	2	2	0
Every, C. T.	2	2	0
Ewing, B. S.	2	2	0
Fear, J. L.	2	2	0
Fitch, C. H.	2	2	0
Forster, E T.	2	2	0
Francis, M. V. H.	2	2	0
Frickner, A. C.	2	2	0
Gibaud, F. C.	2	2	0
Greenway, A. E.	2	2	0
Greenway, W. A.	2	2	0
Hadfield, E.	2	2	0
Hallam, H. A.	3	3	0
Hardcastle, D. A.	2	2	0
Hearn, G. L.	2	2	0
Heaton, J. J.	2	12	6
Heeley, N.	2	2	0
Hills, W. T.	2	12	0
Holliday, J.	2	2	0
Honey, J. R. C.	2	2	0
Horne, E. C.	2	2	0
Hosking, W.	2	2	0
Hughes, T.	2	2	0
Isaac, G. L.	2	2	0
Jackson, F. J.	2	2	0
Jenkins, F. L.	2	2	0
Jenkins, R. E.	2	2	0
Jones, O. C.	2	2	0
Jones, W. E.	2	2	0
Joseland, A. R. M.	2	2	0
Kershaw, G.	2	2	0
Key, T. G.	2	2	0
Kitching, H. V.	2	2	0
Knight, D. R.	2	2	0
Knowles, C. C.	2	2	0
Langlands, J. H.	2	2	0
Lea, P. L. Z.	2	2	0
Lees, E. C. L.	2	2	0
MacDonald, D.	2	2	0
McDougall, W.	2	2	0
Macmahon, J. F.	2	2	0
Major, S. F.	2	2	0
Mann, A. L.	2	2	0
Mann, G. W.	2	2	0
Maplesdon, J. W.	2	2	0
Matcham, J. E.	2	2	0
Miles, W. E.	2	2	0
Moon, T. E.	2	2	0
Morham, K. N.	2	2	0
Morris, W.	2	2	0
Moseley, W.	2	2	0
Neale, J. H.	2	2	0
Nicholson, J.	2	2	0
Nightingale, C. F.	3	3	0
Nott, T. J.	2	2	0
Osborne, E. C.	2	2	0
Payne, C. F.	2	2	0
Pearson, F. G.	2	2	0
Pendered, T. D. E.	2	2	0
Perry, H.	2	2	0
Pilditch, P. H.	2	2	0
Pilkington, J. M.	3	3	0
Pinhorn, A. C.	2	2	0
Piper, P. J.	2	2	0
Pitts, D. Y.	2	2	0

	£	*s.*	*d.*
Platt, E. P.	2	2	0
Pointing, H. J.	2	2	0
Porter, C. L.	2	2	0
Porter, H.	2	2	0
Porter, R. E.	2	2	0
Purdie, J. E.	2	2	0
Ramsay, W.	2	2	0
Read, J.	2	2	0
Reeve, W. E.	2	2	0
Rider, W. H.	2	2	0
Ritchie, W. H.	2	2	0
Robertson, D. G. ...	2	2	0
Robertson, W. M. ...	2	2	0
Robinson, G. I.	2	2	0
Robinson, M. D. ...	2	2	0
Roper, E. E.	2	2	0
Rose, H. C.	2	2	0
Rowe, B. A.	2	2	0
Ruthen, E. S.	2	2	0
Satchell, J. D. G. ..	2	2	0
Savage, R. B.	2	2	0
Savill, E. H.	2	2	0
Saxon, F. C.	2	2	0
Seel, R. C.	2	2	0
Shore, E.	2	2	0
Shepheard, G. V. ...	2	2	0
Shimmon, W. A. ...	2	2	0
Silver, G.	2	2	0
Sinden, L. W.	2	2	0
Slater, G. B.	2	2	0
Smith, G. H.	2	2	0
Smith, L. D.	2	2	0
Spark, G.	2	2	0
Sparkes, R. H.	2	2	0
Stanham, H. G. ...	2	2	0
Stephenson, G.	2	2	0
Stewart, C. B.	2	2	0
Suckling, W. S. ...	3	3	0
Sutton, P. R.	2	2	0
Taylor, A. W.	1	8	6
Taylor, F. C.	2	2	0
Teasdale, G. N. ...	2	2	0
Teasdale, T. M. ...	2	2	0
Timbs, A. C.	2	2	0
Tollett, G. W.	2	2	0
Trestain, A. E.... ...	2	2	0
Trumper, R. W. ...	2	2	0
Trigg, R.	2	2	0
Turns, L. W.	2	2	0
Tydeman, A. E. ...	2	2	0
Vickery, R. M.	2	2	0
Waite, D. M.	2	2	0
Walker, R. S.	2	2	0
Waller, F. N.	2	2	0
Ward, L. E.	2	2	0
West, T. C.	2	2	0
Westhope, V. R. ...	2	2	0
Whiteman, O. A. J. ...	2	2	0
Wigginton, T. A. ...	2	2	0
Wilkins, C.	2	2	0
Willey, F.	2	2	0
Williamson, H. B. ...	2	2	0

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The Surveyors' Institution

(INCORPORATED BY ROYAL CHARTER),

12, GREAT GEORGE STREET,

WESTMINSTER, S.W.1.

PATRON—HIS MAJESTY KING GEORGE V.

OFFICERS, 1923—24.

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Secretary.

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COUNCIL SELECTION.
COUNTY BRANCHES AND COUNTRY MEETINGS.
EDUCATION.
ELECTIONS.
FINANCE.
FORESTRY.
GENERAL PURPOSES.
LIBRARY AND SESSIONAL PAPERS.
MINING.
PARLIAMENTARY
PROFESSIONAL PRACTICE.
QUANTITY SURVEYORS.

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1872 *Edward Norton Clifton.*
1874 *Thomas Huskinson.*
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1917 ARTHUR LYON RYDE.
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1919 *Andrew Young.*
1920 JOHN WILLMOT.
1921 *Joseph Henry Sabin.*
1922 JOHN MCCLARE CLARK.

(The names of those deceased are printed in italics.)

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G. L. BRIGHTON
A. B. BROWN
J. W. WILLIS BUND, C.B.E.
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E. J. NALDRETT
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T. A. O'DONAHUE
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E. C. PINKS
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ARTHUR LYON RYDE
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DR. J. A. VOELCKER
H. T. WALES
E. WALFORD
ALEXANDER WALKER, C.B.E
W. SELVES WALKER
ERNEST WATSON
H. J. WATSON
JOHN WATSON, M.B.E.
M. L. WHELDON
EDWARD WILLIS
J. WILSON
LESLIE S. WOOD
H. G. B. WYATT

The Surveyors' Institution

(Incorporated by Royal Charter)

Is established—

1. To secure the advancement and facilitate the acquisition of that knowledge which constitutes the profession of a Surveyor, viz.—the art of determining the value of all descriptions of landed, mineral and house property, and of the various interests therein; the practice of managing and developing estates; and the science of admeasuring and delineating the physical features of the earth, and of measuring and estimating artificers' work.
2. To promote the general interests of the profession, and to maintain and extend its usefulness for the public advantage.

The Institution was established in 1868, was incorporated by Royal Charter in 1881, and has a total membership of over 6,000.

The Institution consists of four classes, viz.—Fellows, Professional Associates, Associates, and Honorary Members, with classes of Probationers and Students attached.

A Fellow must be more than thirty years of age, and have qualified for that position by having acquired a practical knowledge of surveying in one or other of its branches as above defined, and have held for at least five years a responsible position in the profession; and must have passed the Examinations called for by the Rules of Examination, or some other Examination in the United Kingdom or the Colonies which the Council may declare to be equivalent thereto.* A Fellow has the right, conferred by the Charter,

* *The Council possess only a very limited dispensing power as regards the Examinations.*

to use the letters F.S.I. after his name. A Fellow has also the right, under By-Laws allowed by H.M. Privy Council, to describe himself as "Chartered Surveyor."

A PROFESSIONAL ASSOCIATE must be more than twenty-one years of age, a Surveyor by profession, in practice on his own account or employed as an Assistant in a Surveyor's Office, and qualified for the class by having passed the Examinations. A Professional Associate has the right, conferred by the Charter, to use the letters P.A.S.I. after his name. A Professional Associate has also the right, under By-Laws allowed by H.M. Privy Council, to describe himself as "Chartered Surveyor," provided that the fact that he is a Professional Associate is disclosed.

An ASSOCIATE must be more than twenty-one years of age, not a Surveyor by profession, but his pursuits must be such as to qualify him to unite with Surveyors in the advancement of professional knowledge.

An HONORARY MEMBER must be a person who, either by reason of his position or experience, or his eminence in science, may be enabled to render assistance in promoting the objects of the Institution, but who is not engaged in practice as a Surveyor in Great Britain or Ireland. He has the privilege of being present and taking part at all Ordinary General Meetings, and of access to the Library, but no right of voting, discussing, or otherwise interfering in the affairs of the Institution ; nor is he called on to contribute to its funds.

PROBATIONERS must be persons whose period of Studentship has elapsed or persons who have passed the Intermediate Examination, or such other examination, if any, as may be accepted by the Council in lieu thereof ; and such persons may continue as Probationers until the end of the calendar year during which they shall have been for five years enrolled in that class or until the end of the third calendar year after that in which they had passed the Intermediate Examination, whichever period first terminates.

A Probationer is entitled to the use of the Library and Loan Library, to attend the Meetings, and to receive the Journal.

STUDENTS (who must not be under eighteen years of age) qualify as such by passing the Preliminary Examination.

Candidates for Studentship who can produce a Certificate of having passed one of the Examinations mentioned in the Rules, are exempted from this Examination, and may be admitted by the Council on the recommendation (according to a form) of a Member of the Institution. Students are expected to enter for the Professional Examinations under the conditions laid down in the Rules of Examination.

A Student is entitled to the use of the Library and Loan Library, to attend the Meetings, and to receive the Journal. For further privileges as to fees and percentage of marks, see paragraphs 10, 11, 12 and 14 of the Rules of Examination.

Scholarships open to Students and tenable for three years have been instituted at Oxford, Cambridge, and other Universities, of the value of £80 and £50 per annum. Particulars may be obtained from the Secretary of the Institution.

Any person desirous of being admitted into the Institution (excepting to the classes of Probationers and Students) must be proposed and recommended according to a form, in which the full name and qualifications of the candidate must be distinctly specified. This form must be subscribed by him, and signed by at least six Fellows, or four Fellows and two Associates, certifying a practical knowledge of the candidate; or, by four Members of the Council, of whom the President shall be one, after careful enquiry into the antecedents of the applicant.

The proposal so made, being delivered to the Secretary, will be submitted to the Council, who, on approving the qualifications, will nominate the candidate for election by ballot.

The following are the rates of contribution to the funds :—

	Annual Subscription.			Admission Fee.		
	£	*s.*	*d.*	£	*s.*	*d.*
Student	1	1	0		—	
Probationer	1	1	0		—	
Associate	2	2	0	3	3	0
Professional Associate	2	2	0	4	4	0
Colonial Fellow	2	2	0	5	5	0
Fellow	4	4	0	7	7	0*

* *Unless he was elected a Professional Associate before the first day of January*, 1921, *in which case the entrance fee as a Fellow shall be* £5 5*s*.

No person can become a Member (other than an Honorary Member) of the Institution, unless and until he pays as his first Subscription to the Institution, in the case of becoming a Fellow of the Institution, the sum of Ten Guineas, in the case of becoming a Colonial Fellow of the Institution, the sum of Seven Guineas, in the case of becoming a Professional Associate of the Institution, the sum of Six Guineas, and in the case of becoming an Associate of the Institution, the sum of Five Guineas.

All Fellows, Professional Associates, and Associates, are required, within twelve months after their election, to deliver to the Council an original Paper on some subject connected with the profession, or to make a donation to the Library or Collection.

The affairs of the Institution are under the management of a Council, which is elected annually, and in future will consist of a President and four Vice-Presidents, together with not more than thirty-five or less than twenty-five Fellows, four Professional Associates and two Associates.

The Session of the Institution commences annually on the second Monday in November, and continues to the end of May. The Ordinary General Meetings are at present held once a month during the Session. At these Meetings original communications are read on professional subjects, and their merits fully and freely discussed. Every Member has the privilege of introducing visitors to these Meetings. Members are entitled to a copy of any printed publication issued by the Institution after their admission.

THE SURVEYORS' INSTITUTION

(INCORPORATED BY ROYAL CHARTER),

12, GREAT GEORGE STREET, WESTMINSTER, S.W.1.

LIST OF MEMBERS, JANUARY 1ST, 1924

Patron:

HIS MAJESTY KING GEORGE V.

Honorary Members.

Date of Election and Transfer.	HONORARY MEMBERS.	Address.
Nov. 1904	ARMSTRONG, THE RT. HON. LORD	Jesmond Dene, Newcastle-on-Tyne.
Dec. 1880 Nov. 1910	BANKES, THE RIGHT HON LORD JUSTICE ELDON	45, Eaton Square, S.W.
Jan. 1895	BEDFORD, HIS GRACE THE DUKE OF, K.G.	15, Belgrave Square, S.W.
July 1920	BLEDISLOE, THE RT. HON. LORD, K.B.E.	Oxford and Cambridge Club, S.W.
April, 1910	CHALMERS, THE RT. HON. LORD, G.C.B.	3, Cornwall Mansions, Kensington Court, W.8.
Dec. 1889	CHAPLIN, THE RT. HON. LORD VISCOUNT	6, Charles Street, Berkeley Square, W.
Nov. 1918	CLOSE, COLONEL SIR CHARLES, K.B.E., C.M.G.	Coytbury, St. Giles Hill, Winchester.
Nov. 1908	DEVONSHIRE, HIS GRACE THE DUKE OF, K.G.	Devonshire House, Piccadilly, W.
Jan 1909	DIBDIN, SIR LEWIS T., K.C., D.C.L.	Nobles, Dormansland, East Grinstead.
June 1917	DOWNING, STANFORD EDWIN ..	Ecclesiastical Commission, 1, Millbank, Westminster, S.W.
Jan. 1924	DUNSTAN, MALCOLM JAMES ROWLEY, PROFESSOR, M.A., F.R.S.E., F.I.C., O.B.E.	Royal Agricultural College, Cirencester.
Nov. 1906	ELLIOTT, SIR THOMAS HENRY, BART., K.C.B.	National Club, Queen's Gate, S.W.1.
June 1917	ERNLE, THE RIGHT HON. LORD, M.V.O.	3, Cheyne Walk, Chelsea, S.W.1.
May 1921	FIORI, ING FELICI	Ispettore Superiore presso la Direzione Generale della Ferrovie dello Stato, Roma.
May 1921	GREINER, PAUL	131, Champ Elysées, Paris VIIIe, France.

Date of Election and Transfer.	HONORARY MEMBERS.	Address.
A. Mar. 1882 H.M. Nov. 1905	HAMILTON, HIS HONOUR JUDGE HENRY BEST HANS	5, Cranley Gardens, S.W.7.
Nov. 1901	HOWE, THE RT. HON. THE EARL, G.C.V.O.	Curzon House, Curzon Street, W.
Jan. 1911	JOHNSTON, COLONEL SIR DUNCAN, R.E., K.C.M.G., C.B., C.B.E. ..	8, Lansdowne Crescent, Edinburgh.
Mar. 1893	LINCOLNSHIRE, THE MOST HON. THE MARQUESS OF, K.G., G.C.M.G.	53, Prince's Gate, S.W.
Nov. 1915	MILNER, THE RIGHT HON. LORD VISCOUNT, G.C.B., G.C.M.G.	46, Duke Street, St. James', S.W., an Sturry Court, near Canterbury.
A. Jan. 1885 H.M. Jan. 1914	PARMOOR OF FRIETH, THE RIGHT HON. LORD, P.C., K.C.V.O., K.C.	29, Wilton Crescent, S.W.1.
Nov. 1916	REDMAYNE, SIR RICHARD, K.C.B.	Claremont Lodge, Cobham, Surrey.
Feb. 1919	ROSS, THE RIGHT HON. SIR JOHN, BART.	Oatlands, Stillorgan, Co. Dublin.
Nov. 1917	SALTER, ARTHUR CLAVELL, THE HON. MR. JUSTICE	2, Mitre Court Buildings, Temple, E.
May 1921	SCHWEITZER, CHARLES HENRI ..	38, Boulevard des Invalides, Par VIII[e], France.
Nov. 1915	SELBORNE, THE RIGHT HON. THE EARL OF, K.G., G.C.M.G.	49, Mount Street, W.
May 1921	YAMAJI, SHIZUO	Reparations Commissions, 13 Avenue Champs Elysées, Paris.

Total number of Honorary Members, 27, carried to Summary, p. 229.

Fellows.

The names of those Fellows who have qualified for the Class by Examination are distinguished thus*
The names of those Fellows who have gained Prizes at the Institution Examinations are distinguished thus§

Date of Election and of Transfer.	FELLOWS.	Address.
Jan. 1884	ABBOTT, ROBERT THOMAS G. . .	Whitley House, Malton, Yorkshire.
A. Oct. 1904 F. Dec. 1919	*ABBOTT, ALEXANDER HENRY . .	351, Wimborne Road, Winton, Bournemouth, Hants.
A. Nov. 1891 F. Jan. 1895	*ABRAMS, BENJAMIN PERCY . .	87, High Road, Kilburn, N.W.6 (Middlesex).
Oct. 1913	*ABRAMS, JOHN EDWARD . .	Kirkstall, Kingsheath, Birmingham.
Nov. 1918	*ACTON, WILLIAM BIRCHALL . .	Superintendent of Inland Revenue and Conservancy, Conservancy Office, Kisumu, British E. Africa.
A. Oct. 1921 F. Nov. 1922	*ADAM, JAMES	211, Hope Street, Glasgow.
Feb. 1884	ADAMS, HENRY, M.I.C.E., M.I.M.E.	60, Queen Victoria Street, E.C.
Jan. 1922	ADAMS, HENRY ROBERT . .	"Tilford," Heathurst Road, Sanderstead, Surrey.
Oct. 1913	*ADAMS, THOMAS	Surrey Lodge, Thames Ditton, Surrey
A. Oct. 1897 F. Nov. 1901	*ADDIE, JOHN HEATHCOTE, LIEUT.-COL., C.B.E.	Raven Chambers, Shrewsbury.
A. Oct. 1913 F. July 1918	*ADDIE, ROBERT	138A, Crown Street, Aberdeen.
A. Oct. 1896 F. Oct. 1900	*ADDISCOTT, HENRY HUGH . .	32, Craven Street, Charing Cross, W.C.
A. Jan. 1888 F. Jan. 1891	*†ADKIN, BENAIAH WHITLEY . .	35, Lincoln's Inn Fields, W.C.2.
A. Dec. 1881 F. Nov. 1886	ADKIN, CHARLES DUNCAN . .	Wantage and Abingdon, Berks.
A. Oct. 1912 F. Dec. 1921	*AITCHISON, JAMES GRAY. . . .	1732, Shettleston Road, Glasgow.
Sep. 1895	ALEXANDER, HENRY GEORGE SAMUEL, COLONEL	Carrickmore House, Carrickmore Co. Tyrone.
A. Oct. 1914 F. Oct. 1923	*ALLEN, AUBREY JAMES	Half Moon Street, Sherborne, Dorset.
Oct. 1919	ALLEN, GEORGE	Hillsboro', Co. Down.
A. Oct. 1893 F. Apr. 1922	ALLEN, JOHN PARNELL, MAJOR	Victoria Buildings, Grainger Street West, Newcastle-on-Tyne.
A. Oct. 1915 F. Feb. 1919	*‡ALLISON, HERBERT WILLIAM . .	6, Albion Street, Hull.
Oct. 1917	ALLOTT, JAMES RAYNEY LEACH	Avenue Villa, Kidsgrove, Staffs.
A. Oct. 1898 F. May 1917	*ALLPRESS, HORACE EDWARD . .	35, Perrymead Street, Eel Brook Common, S.W.
A. Oct. 1898 F. Apr. 1902	*ALLSEBROOK, ARTHUR, B.SC. (*Edin.*)	Link Elm, Malvern Link, Worcestershire.

† Special Sanitary Science Diploma.
‡ Special Forestry Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4127	A. Oct. 1903 F. Oct. 1913	*Allsop, Benjamin George Kidston	141, Park Road, Regent's Park, N.W
7020	A. Oct. 1913 F. Dec. 1918	*Almond, William John ..	6, Albion Street, Hull.
7660	Nov. 1916	Alton, Henry Bindon	84, O'Connell Street, Limerick.
2503	A. Nov. 1892 F. Nov. 1893	*§Amos, Frank	3, The Parade, Canterbury, Kent.
9148	Oct. 1923	*Anderson, Douglas	181, Queen Victoria Street, E.C.4.
7564	Oct. 1915	Anderson, John	20, York Place, Edinburgh.
3172	Oct. 1897	Anderson, Robert	Property Agent, 95, Bath Street, Glasgo
597	A. Jan. 1881 F. Mar. 1884	Anderson, Robert	Knowsley, Prescot, Lancs.
1635	Dec. 1889	Andrew, Thomas Hawkes ..	"Barnburgh," Pennsylvania Hill, Exeter.
3342	A. Oct. 1898 F. Feb. 1900	*Angel, Francis Houghton ..	7, Wolseley Gardens, Gunnersbury, W (Middlesex).
5589	Oct. 1909	Anthony, Ernest John.. ..	95, Lower Leeson Street, Dublin.
8193	A. Oct. 1897 F. Dec. 1920	*Appleby, Frank Sefton ..	44, Ash Grove, Wavertree, Liverpo
3953	A. Oct. 1902 F. Sep. 1903	*Appleby, John Henry James..	8, High Street, Fareham, Hants.
4886	Oct. 1906	*Apps, Benjamin Charles.. ..	1, Bury Street, Guildford.
2649	A. Oct. 1894 F. Mar. 1896	*‡§Aris, John Whitton, M.A. (*Oxon*)	Lois Weedon, Denbigh Gardens, Richmond, Surrey.
3782	A. Oct. 1901 F. June 1912	*Armstrong, Albert Leslie ..	14, Swaledale Road, Sheffield.
7546	Feb. 1915	Armstrong, Henry	Collingwood Buildings, Collingwood Street, Newcastle-on-Tyne.
791	Apr. 1882	Armstrong, Thomas John ..	14, Hawthorn Terrace, Newcastle-on-Tyne.
7565	Oct. 1915	*Arnall, George	153, St. John's Hill, S.W.
3042	A. June 1896 F. Nov. 1900	*Arno, Samuel	67, Dunsmure Road, Stamford Hill,
5101	A. Oct. 1907 F. June 1919	*Arnold, William Richard ..	276, Oxford Street, Swansea.
9135	Oct. 1923	Arnot, Thomas	10, St. Andrew Square, Edinburgh.
1280	A. Dec. 1885 F. Jan. 1896	*§Arnott, John	Church Street, Woodbridge, Suffolk.
4355	A. Oct. 1904 F. Apr. 1919	*Ashbridge, Prentice Moore ..	7, Leadenhall Street, E.C.3.
7027	A. Oct. 1913 F. Mar. 1920	*Ashenden, Harold Campbell	Ventnor House, London Road, Canterbury.
3075	A. Oct. 1896 F. Oct. 1898	*Ashenden, Leonard Thomas..	Westgate, Canterbury, Kent.
7644	Nov. 1916	Ashworth, John	77, King Street, Manchester.
4898	A. Oct. 1906 F. Dec. 1911	*Askwith, Arthur	29, Nevilledale, Durham.
5102	A. Oct. 1907 F. Dec 1919	*Aspell, Fred Hewlings	32, Halford Street, Leicester.
1750	A. Feb. 1890 F. July 1901	*†Assiter, Harry G.	The Weald House, Harrow Weald Middlesex.
5616	A. Oct. 1909 F. Apr. 1916	*Atack, George Albert Severne	2, Highgate Avenue, Fulwood, Preston.

‡ Special Forestry Diploma.
† Special Sanitary Science Diploma.

p.	Date of Election and of Transfer.	FELLOWS.	Address.
5	A. Oct. 1901 F. Oct. 1907	*Austin, Frank Holman	5, Hereford Road, Westbourne Grove W.2.
8	A. Dec. 1887 F. Oct. 1891	*Austin, Richard	Bishop's Waltham, Hants.
8	A. Nov. 1890 F. May 1903	*Aylen, Cecil Hugh	20, Bucklersbury, E.C.4.
2	Jan. 1922	Aylott, Joseph	Green Lanes, Goodmayes, Essex.
8	Jan. 1891	Aynsley, Robert John	FencerHill,Gosforth,Newcastle-on-Tyn
7	Oct. 1919	Babbs, Arthur Thomas ..	28, Grove Lane, Kingston-on-Thames
3	Jan 1922	Babbs, Ernest Richard ..	10, Old Burlington Street, W.1.
4	A. Oct. 1907 F. Apr. 1923	*†Bacon, Frank	25, Liverpool Street, E.C.
8	Oct. 1905	Bacon, Frederick Joseph, C.B.E.	114, Park Hill, Clapham, S.W.
4	A. Oct. 1897 F. Nov. 1901	*Baddeley, Bernard Beresford	52, Gracechurch Street, E.C.3.
4	Jan. 1922	Bagnall, Joseph Ernest ..	Quenn's College, Paradise Street Birmingham.
7	Oct. 1920	Bailey, Cecil Henry	13, Bennett's Hill, Birmingham.
5	Jan. 1922	Bailey, Ernest Batho ..	37, Moorfields, Liverpool.
6	A. Oct. 1893 F. Feb. 1896	*Bailey, Louis Hewitt	4, Eaton Road, Ilkley, Yorks.
6	A. Oct. 1901 F. Sep. 1906	*Bailey, Percival Henry Ashby	"Glenthorn," Wolstanton, Staffs.
5	Nov. 1916	Bailey, Thomas Henry	13, Bennett's Hill, Birmingham.
7	Sep. 1895	Baillie, John Robert, Col. ..	Abercorn Estate Office, Strabane, Co Tyrone.
3	Nov. 1891	Baines, Matthew Talbot, M.A. (*Cantab.*)	Westbrook Hall, Horsham, Sussex.
0	Oct. 1903	Baines-Hewitt, Frederic Thomas, Major	12, Frith Road, Dover.
9	Oct. 1905	Baker, Ernest John..	Works Dept., H M. Dockyard, Devonport.
0	A. Oct. 1909 F. Apr. 1921	*Baker, Henry George, Lic.R.I.B.A.	21, Grosvenor Road, Aldershot, Hants.
6	Jan. 1922	Baker, Sydney Charles ..	Lonsdale Chambers, 27, Chancery Lane, W.C.2
8	A. Oct. 1919 F. Dec. 1919	*Balden, William Reginald..	Bywell, Leeds Road, Dewsbury, Yorks.
7	Jan. 1922	Ball, Adam John Loughborough	6, King's Bench Walk, Temple, E.C.
3	Jan. 1922	Ball, Adam Kirk	7, King's Bench Walk, Temple, E.C.
9	Jan. 1922	Ball, Charles Edward ..	7, King's Bench Walk, Temple, E.C.
0	Jan. 1922	Ball, Charles William ..	Whittington Chambers, King's Road, Southsea.

† Special Sanitary Science Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4899	A. Oct. 1906 F. June 1912	*Ball, James Robert	L. and N.W. Rly. Estate Departme Euston Station, N.W.
1690	A. Jan. 1890 F. Dec. 1891	*Ball, William Alfred	Old Bond Street House, 6-8, Old Bo Street, W.
6512	A. Oct. 1912 F. Apr. 1921	*Ballantyne, James Roger-son	2, Montgomerie Terrace, Mount Florida, Glasgow.
3954	A. Oct. 1902 F. Oct. 1909	*Bamford, Walter Herbert ..	23, Compayne Gardens, Hampstea N.W.
1879	A. Nov. 1890 F. Nov. 1893	*Bancroft, Frederick Herbert	78, King Street, Manchester.
2932	A. Oct. 1895 F. Feb. 1901	*§Banks, Frederick Stuart Angus	Lloyd's Bank Chambers, Leicester.
5093	Oct. 1907	Banks, John William	H.M. Office of Works, King Char Street, S.W.
4623	A. Oct. 1905 F. Nov. 1912	*Bannister, Montagu Douglas	Market Place, Hayward's Heat Sussex.
8731	Jan. 1922	Barber, Harry Percy	22, Buckingham Street, Strand, W.C.2.
8732	Jan. 1922	Bare, Robert George	Granville House, Arundel Stre Strand, W.C.2.
8733	Jan. 1922	Bare, Thomas Edwin	115, High Holborn, W.C.2.
4123	Oct. 1903	*Barker, Charles	Estate Office, Bournville, Worcest shire.
7035	A. Oct. 1913 F. Apr. 1922	*Barker, Henry Rotherham	13, Quadrant Road, Thornton Hea Surrey.
1985	Mar. 1891	Barker, Horace Richard ..	13, Lowndes Street, Belgravia, S.W
7680	A. Nov. 1916 F. Apr. 1922	*Barlass, Thomas	33, Manchester Road, Fairfield, Ma chester.
9142	Oct. 1923	Barlee, George Hamilton ..	General Valuation Dept., Dublin
1661	A. Dec. 1889 F. June 1891	*Barnes, George Frederick ..	New Square, Chesterfield, Derbyshi
6129	Oct. 1911	*Barnes, Harry	3, Plowden Buildings, Temple, E. and 1, Summerhill Grove, Ne castle-on-Tyne.
3845	A. Oct. 1898 F. Oct. 1899	*Barns, Stephen Allen, M.B.E.	51, Brooke Road, Stoke Newingt N.16.
5622	A. Oct. 1909 F. June 1911	*§Barr, James	221, West George Street, Glasgow.
8129	A. Oct. 1920 F. Apr. 1921	*Barr, Robert Irwin	221, West George Street, Glasg
4881	Oct 1906	Barrett, James	Air Ministry, Kingsway, W.C.
5395	A. Oct. 1908 F. June 1919	*Barrett, Thomas Norman ..	28, Brazennose Street, Manchest
2749	Sep. 1895	Barrington, John Beatty ..	Barrington Street, Limerick.
8 395	Oct. 1921	*Barry, George Smith ..	District Surveyor, 18, Welling Square, Ayr.
	A. Oct. 1901 F. July 1920	*Bartholomew, Charles Frederick	52, Wrottesley Road, Plumste S.E.18.

).).	Date of Election and of Transfer.	FELLOWS.	Address.
8	Oct. 1921	BARTON, ARTHUR PEARL . .	6, Ely Place, Dublin.
8	May 1891	BARTON, HARRY HOWELL	69, Sandgate Road, Folkestone, Kent
0	Sep. 1895	BARTON, HENRY DUPRE MALKIN	The Bush, Antrim, Ireland.
62	A. Oct. 1904 F. Dec. 1912	*BARTON, SYDNEY FREDERICK . .	22, Finsbury Square, E.C.2.
2	A. Oct. 1900 F. Nov. 1901	*BASLEY, HAROLD PULLAM	163, North Street, Brighton.
0	Oct. 1912	*BATE, ERNEST MONTAGU	The Rowans, Fourth Avenue, Frinton-on-Sea, Essex.
56	Mar. 1891	BATEY, HENRY SIMPSON	51, South King Street, Manchester.
8	Jan. 1891	BATHER, JOHN T.	9, The Square, Shrewsbury.
61	Nov. 1891	BATSTONE, ROWLAND ROBERT . .	Godliman House, Godliman Street, E.C.4.
41	A. Oct. 1913 F. Oct. 1920	*BATTING, MERLIN FRANCIS JOSEPH	Meriden, Hamilton Road, Reading, Berks.
09	A. Oct. 1907 F. Apr. 1923	*BATZER, ALBERT EDWARD, A.R.I.B.A.	7, Hobart Place, Grosvenor Gardens, S.W.
16	A. Oct. 1898 F. Nov. 1901	*BAVERSTOCK, HAROLD BRIDGE . .	Godalming, Surrey.
34	A. Oct. 1904 F. Jan. 1908	*BAXENDALE, FREDERICK GIESEN	Corbally, Arbrook Lane, Esher, Surrey
31	Feb. 1892	BAXTER, GEORGE	1, Frederick's Place, E.C.
29	Feb. 1908	BAXTER, JOHN	243, St. Vincent Street, Glasgow.
43	A. Oct. 1900 F. Oct. 1911	BAYLIS, ALBERT EDWARD . .	H.M. Office of Works, King Charles Street, S.W.
56	A. Feb. 1906 F. July 1916	*BAYNHAM, EDMUND CHRISTOPHER	7, Little College Street, Westminster, S.W.
81	A. Nov. 1890 F. Feb. 1898	*BEADEL, MAURICE FREDERICK . .	5 & 6, Clement's Inn, Strand, W.C.2
32	A. Oct. 1911 F. Mch. 1920	*BEAL, JOSEPH KYLE	c/o District Valuer, National Provincial Bank Chambers, James Street, Liverpool.
63	Nov. 1891	BEALE, ROBERT J., A.R.I.B.A. . .	17, Old Queen Street, Westminster, S.W.
53	Sep. 1895	BEAMISH, WILLIAM HENRY . .	60, South Mall, Cork.
24	A. Oct. 1909 F. July 1921	*§BEARN, ARTHUR FREDERICK . .	Flat No. 4, Manor House, Castle Gate, Nottingham.
09	A. Feb. 1903 F. Jan. 1910	*BEASLEY, THOMAS CALVERT PLATT	Harston, Grantham, Lincolnshire.
73	A. Oct. 1910 F. Jan. 1917	*BEAUMONT, RAYMOND PILBEAM	9, North Street, Brighton.
64	Nov. 1891	BECK, ARTHUR CLEMENT	Sandringham, Norfolk
57	Feb. 1888	BECK, EDWARD WILLIAM	16, Bank Street, Norwich.
91	Oct. 1909	BECKETT, W. FRANK	6, Clare Street, Dublin.
61	Jan. 1889	BECKWITH, HENRY LANGTON, COL.	Bank Chambers, 3, Cook Street, Liverpool.
33	A. Oct. 1903 F. June 1910	*BEDDALL, HERBERT BOWMAN, M.B.E., N.D.A.	9, Strangways Terrace, Truro.
59	A. May 1883 F. May 1887	*BEDELLS, CHARLES HERBERT (*Member of Council*)	6, John Street, Bedford Row, W.C.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4134	A. Oct. 1903 F. Feb. 1919	*Bedford, Charles Edgar ..	10, Wigmore Street, Cavendish Square, W.1.
7043	A. Oct. 1913 F. July 1923	*Bedington, Alfred Christopher, A.M.I.C.E.	Council Chambers, Newquay.
6163	A. Oct. 1911 C.F. Oct. '15 F. Oct. 1919	Bedington, Guy Cyril, A.M.I.C.E.	Executive Engineer, P.W.D., Ipoh, F.M.S.
6521	A. Oct. 1912 F. Dec. 1923	*Belcham, Alan Syer	126, Hamlet Court Road, Westcliff-on-Sea.
1594	A. Feb. 1889 F. Dec. 1895	*Belcher, Edward John.. ..	Wantage, Berks.
7670	Nov. 1916	*Belfrage, James Herbert, A.R.I.B.A.	Norfolk House, Norfolk Street, Strand, W.C.2.
3790	A. Oct. 1901 F. Nov. 1908	*Bell, Albert Henry..	5, Salisbury Road, Wimbledon, S.W.19 (Surrey).
3320	Oct. 1898	Bell, Andrew Walker ..	22, Ainslee Place, Edinburgh.
8734	Jan. 1922	Bell, Henry Brown	62, Woodhouse Lane, Leeds.
8926	Nov. 1922	Bell, Henry James	18, Charlotte Street, Perth.
2968	A. Oct 1895 F. Apr. 1922	Bell-John, Harry, Capt., M.C.	District Engineer, P.W.D., Johannesburg.
7046	A. Oct. 1913 F. Oct. 1915	*Benn, Percy Arthur	Surveyor's Office, Guildhall, Lichfield, Staffs.
7778	A. Nov. 1918 F. Dec. 1920	*Bennett, Charles Richard..	Isle of Ely County Council, County Hall, Marsh, Cambs.
7585	A. Oct. 1915 F. Apr. 1923	*Bennett, Reginald Henry Wapshott	40, Buckingham Gate, S.W.1.
5402	A. Oct. 1908 F. May 1917	*Bennett, Stephen Augustus, A.M.I.C.E.	Monmouthshire County Council Offices, Newport, Mon.
5877	A. Oct. 1910 F. Dec. 1919	*Bennett, Sydney	Messrs. Nightingale, Phillips & Page, Eagle Chambers, Kingston-on-Thames, Surrey.
8735	Jan. 1922	Bennion, Arthur Strachan..	96, Gower Street, W.C.1.
8736	Jan. 1922	Bennison, Roland Edward ..	22, Essex Street, Strand, W.C.2.
2933	A. Oct. 1895 F. June 1915	*Bentley, Harold Edwin.. ..	43, Chancery Lane, W.C.
8737	Jan. 1922	Bernard, Charles Albert ..	26, Orchard Street, Bristol.
3348	A. Oct. 1898 F. Sep. 1904	*Berry, Charles Windsor ..	97, Jermyn Street, S.W.1.
8425	A. Oct. 1921 F. Dec. 1923	*Best, Halstead	St. John's Chambers, 87, Church Street, Blackpool.
3349	A. Oct. 1898 F. Nov. 1905	*Betenson, Frederic Roger ..	5, Great College Street, Westminster, S.W.1.
3350 4600	A. Oct. 1898 F. Oct. 1905	Bettridge, John Charles Lebon	West View, Stratford Road, Shirley, near Birmingham.
5878	A. Oct. 1910 F. Apr. 1920	*Bevan, Roland Stanley ..	Ministry of Transport, Roads Dept., 7, Whitehall Gardens, S.W.1.
2505	A. Nov. 1892 F. Oct. 1894	*Beven, Septimus	47, King Edward Road, E.9.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Feb. 1894 F. Feb. 1896	*Bidwell, John Evans, M.A. (*Cantab.*) (*Member of Council*)	11, Benet Street, Cambridge, and Fox Hill, Great Shelford, Cambridge
A. Oct. 1897 F. May 1900	*Bidwell, Phillip Shelford ..	St. Mary's Street, Ely, Cambridgeshire
A. Oct. 1913 F Oct. 1914	*Biggs, Walter Woodbridge ..	56, Holborn Viaduct, W.C.
A. Oct. 1907 F. Oct. 1914	*Bigwood, Ernest Guy	158, Edmund Street, Birmingham.
Oct. 1911	Bigwood, Ernest J.	158, Edmund Street, Birmingham.
Oct. 1919	Biller, William Thomas ..	3, Arranmore Road, Herbert Park Dublin.
Oct. 1908	Billingham, John Alfred Lawrence, Lieut.-Colonel	R.E. Offices, York.
Nov. 1891	Bilson, John, F.R.I.B.A.	23, Parliament Street, Hull, Yorkshire
Jan. 1891	Bingham, Frederick Henry..	5, Bolton Street, Piccadilly, W.
Oct. 1898	Binnie, Thomas	207, Hope Street, Glasgow.
A. Oct. 1903 F. Nov. 1912	*Binns, Henry William	15, Soho Square, W.1.
A. Oct. 1895 F. Oct. 1900	*Birch, Francis Julian Laurence	Adcroft House, Bourton, Dorset.
A. Oct. 1893 F. Apr. 1895	*Birch, Richard Elwyn, B.A. (*Cantab.*)	Brynasaph, St. Asaph, Flintshire.
A. Dec. 1886 F. Nov. 1889	*Birch, Walter de Hoghton..	Hoghton Estate Office, Walton-le-Dale Preston, Lancashire.
Nov. 1888	Bird, James Binfield	Kingswood, Sandown, Isle of Wight
May 1884	Bird, Walter	24, Wynnstay Gardens, Kensington, W
A. Jan. 1887 F. Feb. 1889	Birkett, Tom, M.B.E.	Foxton House, Penrith, Cumberland.
Oct. 1911	*Biscoe, Francis Edwin	2, College Road, Harrow-on-the-Hill Middlesex.
Sep. 1895	Blackley, Travers Robert ..	c/o Messrs. Coutts & Co., 440, Strand W.C.2.
Feb. 1899	Blair, Alexander	9, Wemyss Place, Edinburgh.
Oct. 1914	Blair, Thomas	Hoprig Mains, Gladsmuir, Haddingtonshire.
Mar. 1885	Blake, Frederick	46,Commercial Road,Portsmouth,Hant
A. Oct. 1905 F. July 1920	*Blake, Reginald Lapthorne	46, Commercial Road, Portsmouth.
A. Oct. 1905 F. Oct. 1921	Blencowe, Sidney	Oficina del Ingeniero, Ferro Carril del Sud, Plaza Constitución, Buenos Aires.
Nov. 1891	Bletsoe, Henry Hopkinson ..	Thrapston, Northamptonshire.
A. Oct. 1903 F. Dec. 1912	*Bliss, Francis George	106, Cheapside, E.C.
Mar. 1891	Blizard, John Henry, A.M.I.C.E.	Lansdowne House, Castle Lane Southampton.
A. Oct. 1906 F. Dec 1919	*Blois, Basil Frederic	194, Wymering Mansions, W.9.
Jan. 1922	Blomfield, Charles Edward	40, Finsbury Square, E.C.
Oct. 1914	Bloomer, Josiah	19, Priory Street, Dudley, Worcestershire.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
7547	Feb. 1915	BLOSSE, HENRY LYNCH	Worcester Chambers, Swansea.
2935	A. Oct. 1895 F. July 1905	*BLOUNT, EDWARD, LIEUT.-COL., C.B.E.	Howard de Walden Estate Office, 2 Queen Anne Street, W.
4139	A. Oct. 1903 F. Dec. 1910	*BLUNT, FRANCIS EDWARD.. ..	Valuation Department, Inland Reven 12, St. John's Lane, Liverpool.
8098	Oct. 1920	BOCKING, THOMAS GEORGE ..	13, Bennett's Hill, Birmingham.
4372	A. Oct. 1904 F. Sep. 1905	*BODDINGTON, PERCY EDGAR ..	c/o Superintending Valuer, 51, Quee Street, Exeter.
1882	A. Nov. 1890 F. Aug. 1893	*BODY, ARTHUR, A.R.I.B.A.	22, Lockyer Street, Plymouth, Devo and 48, Corn Street, Bristol.
330	Feb. 1874	BOLAM, CHARLES GODFREY ..	Dunchurch, Rugby, Warwickshire, a 1, Great George Street, S.W.
408	Dec. 1875	BOLDEN, JOHN LEONARD, M.A. (*Cantab.*), C.V.O.	28, Lansdowne Road, Holland Park, W
5880	A. Oct. 1910 F. May 1917	*BOLTON, FRANK HOLMES	"Eversley," Whaley Bridge, Cheshir
8592	Oct. 1909	BOLTON, SAMUEL H., CAPT. ..	123/4, Scottish Provident Building Belfast.
199	May 1869	BOND, ERASMUS	Beachy Down, Edensor Road, Eas bourne.
5628	A. Oct. 1909 F. Apr. 1921	*BOND, GERALD EDWARD ..	Buckingham.
8739	Jan. 1922	BOND, WALTER BENJAMIN ..	14, Temple Street, Birmingham.
8740	Jan. 1922	BONDS, JOSEPH ARTHUR ..	24, Magdalen Road, Wandswort Common, S.W.
2936	A. Oct. 1895 F. Ju y 1922	BOORD, WALTER BERTRAM ..	Bewerley, Pateley Bridge, Yorks.
8741	Jan. 1922	BOOTH, ARTHUR	Albion Chambers, King Street, Nottingham.
2653	A. Oct. 1894 F. Nov. 1895	*BOOTH, GILBERT WILLIAM.. ..	45 and 46, Chandos St., Charing Cros W.C.
5881	A. Oct. 1910 F. Mar. 1920	*BOOTH, HERBERT	Valuation Office, Inland Revenu Huddersfield.
7662	Nov. 1916	BORROWES, EUSTACE	49, Rathdown Road, Dublin.
1883	A. Nov. 1890 F. June 1891	*BOULTING, FREDERICK EDWARD	45, Albany Street, Regent's Par N.W.
3647	A. Oct. 1900 F. June 1906	*BOURCHIER, CLAUD J...	Charleville Estate Office, Tullamor King's County.
6170	A. Oct. 1911 F. July 1922	*BOURDAS, ARTHUR FREDERICK, CAPT., M.C.	80, Pall Mall, S.W.1.
1795	May 1890	BOURNE, ROBERT ELLIOTT ..	Elwell, Totnes, Devon.
5882	A. Oct. 1910 F. Sept. 1917	*BOUSTRED, HENRY NORMAN ..	Friern Barnet Road, N.11 (Herts).
2133	A. May 1891 F. Apr. 1922	BOWDEN, ERNEST NEWTON ..	14, Ridgefield, Manchester.
3201	A. Oct. 1897 F. Dec. 1902	*BOWDEN, HARRY..	Wilts and Dorset Bank Chambe George Street, Plymouth.
1154	A. May 1891 F. Nov. 1899	*§BOWDEN, JOHN FRIENDSHIP (*Member of Council*)	Bedford Chambers, Exeter.

Date of Election and of Transfer.	FELLOWS.	Address.
Nov. 1922	*Bowden-Lyle, Harry James	The Nook, Windsor Road, Abergavenny, Mon.
Apr. 1890	Bowditch, Henry	SunnyBank,ChichesterRoad,Bognor.
A. Oct. 1919 F. July 1920	*Bowen, Alfred John	Surveyor's Department, County Hall, Newport, Mon.
Nov. 1918	Bowen, John, B.E.	County Offices, Dungarvan, Co. Waterford.
A. Oct. 1907 F. Mar. 1920	*Bowes, Charles	Public Trustee Office, Kingsw y, W.C.2.
A. Oct. 1920 F. Apr. 1921	*Bowles, William	The Cottage, Elwick Road, Ashfor Kent.
Apr. 1890	Bowley, John Cross..	St. Tudno, Mountjoy Road, Eastbourne.
Jan. 1922	Bowller, Walter John ..	47, Somerton Road, Cricklewood, N.W.2 (Middlesex).
Jan. 1922	Boxall, Arthur Burgess ..	Lloyds Bank Chambers, 2, Henrietta Street, W.C.2.
Jan. 1890	Boyd, John Jermyn..	Heath View, Weybridge, Surrey, and Estate Offices, Hamilton Place, W.
Oct. 1921	Boyle, John Charters ..	Estate Office, Armagh.
Nov. 1916	Boyton, Sir James	6, Vere Street, W.
Nov. 1886	Brackett, Arthur William ..	27, High Street, Tunbridge Wells, Kent.
A. Nov. 1890 F. May 1892	*Brackett, Frederick Henry..	27, High Street, Tunbridge Wells, Kent.
A. Oct. 1897 F. Apr. 1902	*Brackett, William Newbegin	Market Place, Retford, Nottinghamshire
A. Oct. 1906 F. Apr. 1922	*Bradford, Daniel	9, Carlton Chambers, 12, Regent Street, S.W.1.
Nov. 1922	*Bradley, Henry Edward Manning, M.B.E.	H.M. Office of Works, Storey's Gate Westminster, S.W.1.
A. Oct. 1899 F. June 1912	*§Bradshaw, Arthur George ..	County Surveyor, Newland House, Lincoln.
Nov. 1916	*Bradshaw, Hubert	29, Manor Row, Bradford.
A. Dec. 1888 F. Nov. 1893	*Brady, Ralph Hollinshed, M.B.E.	17, Warren Street, Stockport, Cheshire, and 42, John Dalton St., Manchester.
A. Oct. 1902 F. Apr. 1911	*Bramley, Francis Herbert ..	The White Building, Fitzalan Square, Sheffield.
A. Oct. 1911 F. Apr. 1922	*Brand, James Douglas.. ..	15, Beech Avenue, Dumbreck, Glasgow.
A. Feb. 1916 F. Feb. 1919	*Bray, John Sanders..	18, Cathedral Yard, Exeter, Devon.
Jan. 1888	Breach, Benjamin I'Anson..	29, Fleet Street, E.C.
A. Oct. 1902 F. Oct. 1909	*Brealey, Reginald Woodhouse	Burns Croft, Leek, Staffordshire.
A. Oct. 1901 F. Nov. 1912	*Brent, Thomas	8, Norbury Crescent, Norbury, S.W.16 (Surrey Committee.)
A. Oct. 1901 F. May 1910	*Brereton, Walter	The Milestone, Hills Road, Cambridge.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5606	Oct. 1909	*Bressey, Charles Herbert, Lt.-Col., o.b.e., Chev. Leg. Hon.	Roads Dept., Ministry of Transpo Whitehall, S.W.1.
6175	A. Oct. 1911 F Dec. 1921	*Brewerton, Frank Asquith, m.c., a.r.i.b.a.	33, Princess Street, Manchester.
5884	A. Oct. 1910 F. Apr. 1918	*†Briant, Bernard	200, Kennington Park Road, S.E.
1921	Jan. 1891	Briant, Robert..	200, Kennington Park Road, S.E.
5376	Oct. 1908	*Brickwell, Alfred James, c.b.e.	Surveyor's Office, Great Northern R way, King's Cross, N.
2758	Sep. 1895	Bridge, Henry Powell	Laragh, Charlton Kings, Cheltenha
1663	A. Dec. 1889 F. Apr. 1922	Bridgford, Leo Appleton ..	65, King Street, Manchester.
4341	Oct. 1904	*Briggs, Arthur..	Dearnley, Langley Road, Prestwi Manchester.
5411	A. Oct. 1908 F. Nov. 1922	*§Bright, Tom Spencer	2, New Court, Carey Street, Linco Inn, W.C.2.
5631	A. Oct. 1909 F. Dec. 1919	*Brighten, Claude William, o.b.e.	80, Pall Mall, S.W.1.
3080	A. Oct. 1896 F. Feb. 1900	*Brighton, George Lawrence	28, Victoria Street, S.W.
2655	A. Oct. 1894 F. Mar. 1899	*Brinsley, Herbert George William, m.c.	London Guarantee & Accident C Ltd., Port of Spain, Trinid B.W.I.
8744	Jan. 1922	Broad, Frederic	2, Oxford Road, Bournemouth.
4920	A. Oct. 1906 F. Sep. 1919	*Broad, Gordon Leslie, Major, o.b.e., m.c., a.r.i.b.a.	Cedar Cottage, Stangrove Ro Edenbridge, Kent, and H.M. Off of Works, S.W.
4141	A. Oct. 1903 F. Oct. 1909	*Broadbent, William	Hopwood, Horsforth, near Leeds.
8745	Jan. 1922	Brock, Frederick Willie ..	1, Calais Street, Camberwell, S.E
2177	Nov. 1891	Brocklebank, John	58A, Yorkshire Street, Rochdale, La shire, and Todmorden, Yorkshir
6952	A. Feb. 1913 F. June 1919	*Brocklehurst, Richard Greaves	Raymond House, 32, Theobald's Ro W.C.
4858	A. Feb. 1906 F. July 1922	*Bromley, Alan	Town Surveyor's Office, Slou Bucks.
4377	A. Oct. 1904 F. Nov. 1909	*Brook, Harry	District Valuer's Office, 1st Flo 2A, High Street, Bedford.
3515	A. Oct. 1899 F. Dec. 1917	*Brooker, Frederick George	The Corner Cottage, Sevenoaks.
1990	Mar. 1891	Brooks, Charles William, a.r.i.b.a.	Vernon House, Sicilian Avenue, Bloo bury Square, W.C.
2938	A. Oct. 1895 F. Nov. 1897	*Brooks, John McMullen.. ..	4, Queen Victoria Street, E.C.
2939	A. Oct. 1895 F. Mar. 1899	*Brooks, Philip Fuller	4, Queen Victoria Street, E.C.
1073	A. Jan. 1884 F. Apr. 1922	Brown, Alexander	Home Farm, Hothfield, Ashfo Kent.
2135	A. May 1891 F. May 1893	*Brown, Alexander Burnett..	Lennox House, Norfolk Street, Stra W.C.

† Special Sanitary Science Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1898 F. Mar. 1903	*Brown, Arthur Allen	83, High Street, Croydon, Surrey.
Feb. 1889	Brown, Charles	Kerse Estate Office, Falkirk, Stirlingshire.
Oct. 1913	Brown, Clarence	H.M. Office of Works, King Charles Street, S.W.
Feb. 1915	Brown, Edward Otto Forster	706-7, Salisbury House, Finsbury Circus, E.C.
A. Oct. 1911 F. July 1919	*Brown, Frank	407, Kingsland Road, N.E.
Nov. 1888	Brown, Frank John (*Member of Council*)	Tring, Herts.
Jan. 1922	Brown, Fred	30, Park Drive, Barrow-in-Furness.
A. Nov. 1892 F. Jan. 1899	*Brown, George Turville (*Member of Council*)	11, Little College St., Westminster, S.W.
Oct. 1921	Brown, Harold Blumfield	104, High Holborn, W.C.1.
A. Oct. 1912 F. Sept. 1917	*Brown, James	11, Melrose Gardens, Kelvinside, Glasgow.
Oct. 1921	Brown, Leonard	21, Queen Anne's Gate, S.W.1.
A. Oct. 1910 F. Apr. 1920	*Brown, Norman Ernest ..	6, Hanover Square, W.1.
Jan 1922	Brown, Rupert Blumfield..	104, High Holborn, W.C.1.
A. Oct. 1898 F. Dec. 1923	Brown, Tom	St. Andrew's Church Yard, Penrith.
Oct. 1914	Brown, Westgarth Forster..	15, Victoria Street, S.W.
May 1886	Brown, William Blumfield..	104, High Holborn, W.C.
A. Dec. 1887 F. Apr. 1922	Brown, William Edward ..	Bude, Hyde Road, Watford, Herts, and 22, Savile Row, Regent St., W.
A. Oct. 1904 F. June 1911	*Brown, William Ernest, D.S.O., M.C.	39, Pepper Street, Chester.
A. Oct. 1902 F. Jan. 1904	*Brown, William Henry.. ..	51, Hollingbourne Road, Herne Hill, S.E.24.
Sep. 1895	Browne, Ernest H.	Brookfield, Tullamore, King's County.
A. Oct. 1905 F. Oct. 1915	*Browne, Hugh Gillespie ..	49 & 50, Parliament Street, S.W.1.
Oct. 1902	Brunicardi, Dominic N.	Valuation Office, 6, Ely Place, Dublin.
Oct. 1919	Bruton, Henry Tew	Albion Chambers, King Street, Gloucester.
A. Oct. 1900 F. Sept. 1917	*Bruzaud, George Joseph ..	Highfield End, West Byfleet, Surrey.
Jan. 1922	Bryant, Samuel John	Town Hall, Basingstoke, Hants.
Oct. 1912	*Bryden, Charles John Baxter	Afton, Milngavie, Dumbartonshire.
A. Oct. 1912 F. Nov. 1913	*Buckingham, Claude Somerset	43A, Prince of Wales Road, Norwich.
Jan. 1890	Buckland, Henry Duneau ..	4, Bloomsbury Square, W.C., and Windsor, Berks.
A. May 1891 F. Oct. 1894	*Buckland, Sidney Crawford..	4, Bloomsbury Square, W.C., and Windsor, Berks.
A. Oct. 1910 F. Apr. 1921	*Budgen, William Harold	118, Southampton Row, High Holborn, W.C.1.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
2182	Nov. 1891	BULL, WALTER	77, Queen Victoria Street, E.C.4
4922	A. Oct. 1906 F. July 1917	*BULLER, FRANCIS CHARLES ..	The Estate Office, Electric Rail House, Westminster, S.W.
5121	A. Oct. 1907 F. July 1919	*BULTEEL, WALTER GORDON ..	Charlestown, St. Austell.
8749	Jan. 1922	BUNN, HENRY LEESON	10, John Street, Adelphi, W.C.2
7587	A. Oct. 1915 F. Dec 1918	*BURCH ARTHUR EDWIN	Earl of Wilton's Estate Office, Street, Weymouth.
4380	A. Oct. 1904 F. Apr. 1915	*BURCH, HERBERT	17, Eldon Square, Newcastle-on-T
4641	A. Oct. 1905 F. Dec. 1911	*BURGE, JAMES THOMAS	Bombay Improvement Trust, Bom
3203	A. Oct. 1897 F. Nov. 1900	*BURGESS, HENRY HERBERT PHILIP	c/o United Kingdom Provident Ins tion, 196, Strand, W.C.
2764	Sep. 1895	BURKE, HENRY ANTHONY.. ..	Drumkeen, Ballinamallard, Co. managh.
6439	Feb. 1912	BURKE, MARTIN JOSEPH.. ..	H.M. Office of Works, Dublin.
2765	Sep. 1895	BURKE, WILLIAM CREAGHE ..	Cloonee, Ballinrobe, Co. Mayo.
4925	A. Oct. 1906 F. Apr. 1911	*†BURKETT-SMITH, CECIL SYDNEY	31, St. Mary Abbott's Terrace, Kens ton, W.
3654	A. Oct. 1900 F. June 1914	*BURMAN, WILLIAM	Estate Office, Kiveton Park, ne Sheffield.
1796	May 1890	BURMESTER, JOHN WILLIAM STANLEY, F.R.I.B.A.	13, Queen Anne's Gate, Westminster,
4642	A. Oct. 1905 F. Jan. 1912	*BURN, SIR JOSEPH, K.B.E. ..	Prudential Assurance Company, Holborn Bars, E.C.
635	Dec. 1881	BURNETT, SIR DAVID, BART. ..	9 & 10, Fenchurch Street, E.C.4
3968	A. Oct. 1902 F. Sep. 1904	*BURNETT, JOHN, MAJOR ..	Estate Office, Stoodleigh, Tiver N. Devon.
4643	A. Oct. 1905 F. Apr. 1913	*BURNETT, LESLIE TREW	9 & 10, Fenchurch Street, E.C.4
4381	A. Oct. 1904 F. Dec. 1919	*BURR, FREDERICK MALCOLM ..	2, Finsbury Square, E.C.2.
3655	A. Oct. 1900 F. Dec. 1901	*†BURR, HARRY	Willington, Bedford.
3355	A. Oct. 1898 F. Jun. 1904	*BURROUGHES, CHARLES FITZPATRICK	Ketton Cottage, Stamford, Lincs.
379	Feb. 1875	BURROUGHES, THOMAS HENRY..	
1832	A. Dec. 1886 F. Jan. 1890	*BURROWS, ALFRED JOHN	41, Bank Street, Ashford, Kent, 20, Hanover Square, W.1.
5636	A. Oct. 1909 F. July 1922	*BURROWS, PERCY CHARLES	Elmdene, Runnemede Road, Egh Surrey.
4646	A. Oct. 1905 F. June 1919	*BURT, JOHN THOMAS	6A, St. Martin's, Leicester.
1216	Dec. 1884	BURTENSHAW, ALBERT	Hailsham, Sussex.
3356	A. Oct. 1898 F. July 1901	*BURTENSHAW, ALBERT KING..	Hailsham, Sussex.
5123	A. Oct. 1907 F. Oct. 1916	*BURTENSHAW, ARTHUR HOWARD	"Arley," Tenterden, Kent.
2940	A. Oct. 1895 F. Jan. 1897	*BURTON, AMOS, A.M.I.C.E... ..	Borough Engineer, Town Hall, St upon-Trent, Staffordshire.

† Special Sanitary Science Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
Jan. 1922	BURTON, GILBERT H.	12, New Court, Carey Street, W.C.2.
A. Oct. 1898 F. Sep. 1902	*BURTON, REGINALD ROBERT ..	London County Council, New County Hall, S.E.1.
Oct. 1909	BURY, JOSHUA	8, John Dalton Street, Manchester.
A. Oct. 1911 F. July 1922	*BURY, WILLIAM NEVILE BROADBENT	8, John Dalton Street, Manchester.
A. Dec. 1887 F. Apr. 1922	BUSS, FLEETWOOD GEORGE WILLIAM	4, Verulam Buildings, Gray's Inn, W.C.
A. Oct. 1916 F. Dec. 1918	*§BUSS, HAROLD GEORGE	Deputy Valuation Commissioner, Ministry of Health, S.W.1.
A. Oct. 1894 F. Nov. 1899	*BUTLER, ALBERT ERNEST.. ..	28, Broad Street, Wokingham, Berkshire.
A. Oct. 1897 F. May 1900	*§BUTLER, CHARLES	Union Offices, Queen Street South, Huddersfield, Yorkshire.
Nov. 1922	BUTTAR, ALEXANDER	53, Hanover Street, Edinburgh.
Jan. 1922	BYWATERS, PERCY	5, Duke Street, Adelphi, W.C.2.
Nov. 1891	CABLE, JAMES M., A.R.I.B.A. ..	19, Trinity Rise, Tulse Hill, S.W.2.
Dec. 1889	CÆSAR, CHARLES EDWARD ..	105, Tooley Street, Southwark, S.E.
A. Oct. 1911 F. June 1919	*CALLINAN. PATRICK	53, Russell Road, W.14.
A. Oct. 1910 F. Dec. 1922	*CALLOW, CLAYTON HAROLD ..	47, Havelock Road, Hastings.
Oct. 1921	CALLOW, GEORGE DANIEL ..	Civil Engineer-in-Chief's Department, Admiralty, S.W.1.
Feb. 1908	CAMERON, ANGUS..	Seafield Estates Office, Elgin, N.B.
A. Oct. 1906 F. Apr. 1923	*CAMPBELL, NICHOLAS PETERSON	100, Donore Avenue, South Circular Road, Dublin.
A. Oct. 1902 F. Dec. 1904	*CANDY, WALTER EMMANUEL ..	Encombe, Wareham, Dorset.
A. Oct. 1912 F. Dec. 1923	*§CANHAM, ERNEST REGINALD, O.B.E.	4, Frederick's Place, E.C.
Oct. 1911	*CANTLAY, ROBERT WILLIAM ..	Martlett House, Bow Street, W.C.2.
Nov. 1918	CARBURY, JOHN	6, Ely Place, Dublin.
Jan. 1922	CARLESS, THOMAS JAMES ..	11, Old Queen Street, Westminster, S.W.1.
Oct. 1919	*§CARLTON, HARRY WESTON ..	Burnmill Hill, Market Harborough.
A. Oct. 1911 F. Oct. 1920	*CARNEGIE, JOHN WILLIAM PERCY	c/o Messrs. Battam & Heywood, 20, Davies Street, Berkeley Square, W.1.
Oct. 1923	CARNEGY, DAVID JAMIESON ..	County Buildings, Forfar.
A. Oct. 1911 F. Apr. 1916	*CARPENTER, ALFRED JOSEPH ..	89, Fawnbrake Avenue, Herne Hill, S.E
A. Oct. 1908 F. Oct. 1920	*CARR, CHARLES WATSON ..	17, Sussex Gardens, Eastbourne, Sussex.
Sep. 1895	CARSON, WILLIAM B.	Mendon, Swords, Co. Dublin.

§ Special Rating Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5127	A. Oct. 1907 F. Apr. 1919	*Carswell, Arthur Gemmell ..	Capesthorne, Chelford, Cheshire.
8753	Jan. 1922	Carter, David Chamberlain	Cogan Chambers, Bowlalley La Hull.
7751	Nov. 1918	Carter, Thomas Henry	Estate Office, Castletown, Mountra Queen's Country.
2943	A. Oct. 1895 F. Nov. 1898	*Cartwright, Alfred Stott ..	Council Office, Wilmslow, Cheshire.
9149	Oct. 1923	*Cassé, Albert	Station Road West, Oxted, Surre
7087	A. Oct. 1913 F. Oct. 1920	*Castle, Malcolm Arthur ..	Bridge Auction Mart, Great Y mouth, Norfolk.
4930	A. Oct. 1906 F. Sep. 1919	*Caton, Edmund Percy	10, New Road Avenue, Chatham.
1480	Apr. 1888	Cave, Thomas Newman	Horton, Northamptonshire.
1836	Nov. 1890	Chalk, Henry Philip	Linton, Cambridgeshire.
6955	A. Feb. 1913 F. Nov. 1922	*Challis, Frank Gordon ..	Valuation Office, Wells Road, M vern, Worcestershire.
3155	A. Feb. 1897 F. June 1899	*Chamberlain, George Arthur Raddon	Whitegates, Enville, near Stourbrid Worcestershire.
6555	A. Oct. 1912 F. Dec. 1922	*Chambers, Harold John Lavender	Corn Hall Buildings, Cirencester
2660	A. Oct. 1894 F. Feb. 1896	*§Chambers, Sir Theodore Gervase, K.B.E.	Welwyn Garden City, Herts.
5007	A. Feb. 1907 F. Apr. 1916	*Chambers, Waddelow Nix ..	c/o Messrs. Hobbs & Chambe Faringdon, Berks.
2770	Sep. 1895	Chambré, C. B. M.	Northland Row, Dungannon, Co. Tyr
3971	A. Oct. 1902 F. Dec. 1920	*Champernowne, Amyas Walter	c/o The Manager, Lloyds Bank, S mouth, Devon.
7795	F. Oct. 1920	*Champion, Bryan Arthur ..	13B, Lowfield Street, Dartford, K
2572	A. Nov. 1918 A. Oct. 1893 F. Apr. 1922	Champion, George Ernest ..	Redwall Farm, Linton, Kent.
3972	A. Oct. 1902 F. June 1908	*Chandler, John	Valuer's Office, 1, Alexandra Vil Finsbury Park, N.
9150	Oct. 1923	*Chanter, Horace Raymond, A.R.I.B.A.	7, Whitehall Gardens, Acton H W.3. (Middlesex).
5640	A. Oct. 1909 F Mar. 1920	*Chapman, Arthur Henry ..	Surveyors' Dept., Metropolitan Wa Board, 173, Rosebery Aven E.C.1.
5641	A. Oct. 1909 F. Dec. 1910	*§Chapman, Charles Albert ..	101, Connaught Road, Roath P Cardiff.
3147	Feb. 1897	Chapman, George James, Major, O.B.E...	R.E. Office, Hong Kong.
5642	A. Oct. 1909 F. Apr. 1922	*Chapman, John Frank	H.M. Office of Works, Westmins S.W.1.
4882	Oct. 1906	Chappell, Frank Richardson	H.M. Office of Works, King Cha Street, Westminster, S.W., and Stapleton Hall Road, Stroud Gree (Middlesex).

p. o.	Date of Election and of Transfer.	FELLOWS.	Address.
95	A. Oct. 1913 F. Oct. 1920	*CHARLES, RICHARD DUDLEY STAFFORD	Pinner's Hall, Old Broad Street E.C.2, and Green Acres, Stanmore Middlesex.
00	May 1890	CHARLES, RICHARD STAFFORD ..	Pinners Hall, Old Broad Street, E.C.2 and Woodside House, Chenies Bucks.
16	A. Jan. 1896 F. Nov. 1901	*†CHART, CHRISTOPHER	Union Bank Chambers, Croydon.
68	Mar. 1890	CHART, ROBERT MASTERS	The Vestry Hall, Mitcham, Surrey.
62	A. Oct. 1898 F. Nov. 1901	*CHATTELL, FRANCIS LORIOT ..	10, Lincoln's Inn Fields, W.C.2.
65	Oct. 1912	CHATTERTON, ABRAHAM	Kilgarron, Enniskerry, Co. Wicklow
41	Oct. 1910	*CHEEKE, WILLIAM ALEXANDER, MAJOR	28, Molesworth Street, Dublin.
56	A. Oct. 1900 F. Dec. 1904	*CHESTERTON, SIDNEY JAMES, M.B.E.	116, Kensington High Street, W.
55	Mar. 1890	CHESTERTON, SIDNEY RAWLINS ..	116, Kensington High Street, W.
66	Oct. 1915	*CHEVERTON, ALFRED DOUGLAS	26A, Portsmouth Road, Woolston Southampton.
93	Nov. 1891	CHEW, HENRY VICTOR	44, Bedford Row, W.C.1.
19	A. Oct. 1899 F. Oct. 1900	*CHICHESTER, RICHARD HERBERT	Woodthorpe, Sydenham Hill Road S.E.26.
59	Oct. 1921	CHIDGEY, HUGH THOMAS ARTHUR	18, Adam Street, Strand, W.C.2.
31	Feb. 1890	CHILD, FRED	65 and 66, Chancery Lane, W.C., and Station Road, New Barnet, Hertfordshire.
58	Oct. 1896	CHILD, HENRY JOHN, LT.-COL. ..	355, Lower Addiscombe Road, Croydon.
89	Oct. 1914	CHILDE, HENRY SLADE	Wakefield, Yorkshire.
90	A. Oct. 1911 F. Sep. 1919	*CHILTON, ERNEST ALFRED ..	Molesey House, Uckfield, Sussex.
12	A. Feb. 1884 F. June 1891	CHRISTY, ARCHIBALD ERNEST ..	12, Great St. Helens, E.C.
56	Nov. 1916	CIMA, GERALD JOSEPH	H.M. Office of Works, King Charles Street, S.W.
54	Jan. 1922	CLARIDGE, WILLIAM DAVID ..	L.C.C. Architects' Department, New County Hall, Westminster, S.E.1
98	A. Oct. 1912 F. Dec. 1922	*CLARK, ALEXANDER MUIRHEAD	Oakwood, Hilton Avenue, Inverness
00	A. Oct. 1910 F. Oct. 1911	*CLARK, ALFRED HENRY	4, Adelphi Terrace, W.C.
52	A. Oct. 1905 F. Apr. 1920	*§CLARK, DUNCAN WALTER ..	St. Runwalds, 3, West Stockwell Street, Colchester.
78	A. Feb. 1907 F. July 1918	*CLARK, HENRY DENTON	St. Peter's Churchyard, The Cross Chester.
84	Feb. 1892	CLARK, JOHN MCCLARE (*Past-President*)	Haltwhistle & Hexham, Northumberland.
64	A. Oct. 1898 F. July 1905	*CLARK, NATHANIEL	Holly Lodge, Ebchester, Co. Durham

† Special Sanitary Science Diploma.

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681	Jan. 1882	CLARK, SAMUEL	8, New Cavendish Street, W.
6564	A. Oct. 1912	*CLARK, WILLIAM HENRY ..	55, Crouch Street, Colchester.
4388	F. Nov. 1922 A. Oct. 1904	*CLARKE, ALFRED HOWARD.. ..	11, High Street, Crawley, Sussex.
1801	F. Feb. 1919 May 1890	CLARKE, CHRISTOPHER	The Hermitage, Bedale, Yorkshi
3657	A. Oct. 1900	*CLARKE, ERNEST SEYMOUR, CAPT.	21, Surrey Street, Strand, W.C.2.
6194	F. July 1901 A. Oct. 1911	*CLARKE, FRANCIS ARCHIBALD	Brentwood, Maple Grove, Prestwi
	F. July 1921		Manchester.
8380	Oct. 1921	CLARKE, FRANCIS MILLETT ..	6, Ely Place, Dublin
1994	Mar. 1891	CLARKE, GEORGE ERNEST.. ..	31, The Mall, Southgate, N.14 (Midd
			sex).
8755	Jan. 1922	CLARKE, GEORGE JOHN	32, Bensham Manor Road, Tho
			ton Heath, Surrey.
1007	A. Dec. 1883	CLARKE, PERCY HENRY	21, Surrey Street, Strand, W.C.2.
5132	F. Nov. 1889 A. Oct. 1907	*CLARKE, ROBERT, CAPT.	Postern Chambers, Middle Paveme
	F. July 1918		Nottingham.
1924	Jan. 1891	CLARKE, STANLEY CHATFEILD..	102, Bishopsgate Street, E.C.2.
1837	Nov. 1890	CLARKSON, WILLIAM	53, Finchley Road, Westcliff-on-S
3210	A. Oct. 1897	*CLARKSON, WILLIAM, JUN... ..	2 & 3, Philpot Lane, E.C.3, a
	F. Oct. 1900		9, Valkyrie Road, Westcliff-o
			Sea, Essex.
4389	A. Oct. 1904	*CLAY, WILLIAM HENRY CHRISTY,	
	F. May 1910	O.B.E., A.M.I.C.E.	Estate Office, Midland Railway, Der
5593	Oct. 1909	CLAYTON, JOHN GRAVES	32, Nassau Street, Dublin.
6195	A. Oct. 1911	*CLEGG, HERBERT	Stonebank, Westville Road, Ilkl
	F. Dec. 1914		Yorks.
4148	A. Oct 1903	*§CLEMENTS, CYRIL JOHN	19, Watson Avenue, Mansfield, Not
[illegible]	F. June 1911		
8756	Jan. 1922	CLEVELY, FREDERICK JOHN ..	39, Bloomsbury Square, W.C.1.
4738	A. Oct. 1905	*CLOSE, HUBERT JOHN	District Valuer's Office, 111-1
	F. July 1922		Great Portland Street, W.1.
78	A. July 186[illegible]	CLUTTON, JOHN HENRY	5, Great College Street, Westmins
	F. May 1875		Abbey, S.W.
221	A. Jan. 1870	CLUTTON, RALPH WILLIAM.. ..	Hartswood, Reigate, Surrey.
	F. Dec. 1875		
5646	A. Oct. 1909	*COADE, CECIL JAMES	118, Southampton Row, Russ
	F. Oct. 1920		Square, W.C.
1285	A. Dec. 1885	*COALES, HERBERT GEORGE,	
	F. May 1894	A.M.I.C.E.	Local Board Offices, Market Harboro
6483	Oct. 1912	*COATES, FREDERICK ERNEST ..	5, The Craiglands, Sunderland, Durh
4302	A. Feb. 1904	*COATES, LAURENCE CALVERT ..	Windsor House, 83, Kingsway, W.C
	F. Apr. 1913		
4149	A. Oct. 1903	*COATES, PERCY BREVITT	Fairholme, North Curry, Taunton.
	F. Oct. 1907		
3973	A. Oct. 1902	*COBB, HENRY FREDERICK,	Directorate of Lands, Caxton Ho
	F. Jan. 190[illegible]	COL., C.B.E.	West, Tothill Street, S.W.1.

Date of Election and of Transfer.	FELLOWS.	Address.
Jan. 1882	COBB, HERBERT MANSFIELD (*Vice-President*), C.B.E.	Cathedral Chambers, Rochester, and 4 & 5, Charles Street, St. James Square, S.W.1.
A. Oct. 1901 F. Nov. 1907	*COBB, ROBERT	"Watlynge," near Rochester, Kent.
A. Oct. 1900 F. July 1901	*COCHRANE, WILLIAM JAMES ..	15, Thornhill Terrace, Sunderland, Durham.
A. Oct. 1901 F. Apr. 1914	*COCKS, JOHN FREDERICK	Ware Park, Ware, Herts.
Nov. 1891	COCKS, SAMUEL ROGER	5, St. Thomas' St., Ryde, Isle of Wight.
A. Oct. 1909 F. Dec 1919	*COLE, CHARLES PHILIPS	Messrs. W. Brown & Co., Berkhamsted, Herts.
A. Oct. 189 F. Oct. 1905	COLE, FRANCIS JOSEPH, M.B.E.. .	Director of Works Department, Admiralty, S.W.
A. Oct. 1902 F. Nov. 190	*COLE, HERBERT COVINGTON, COLONEL, C.B.E.	Room 775, Caxton House, Tothill Street, S.W.1.
A. Oct. 1901 F. June 1911	*COLES, JAMES HATCH..	7, New Road, Chatham, Kent.
Nov. 1890	COLES, SAMUEL HOOD COWPER	Lower Bisterne, Ringwood, Hants.
Oct. 1910	*COLES, WALTER GEORGE	Board of Agriculture for Scotland, 29, St. Andrew Square, Edinburgh
A. Feb. 1882 F. Feb. 1884	COLGATE, THOMAS	Meeching Court House, Newhaven, Sussex.
A. May 1884 F. Oct. 1911	*COLLIER, ARTHUR CHARLES ..	c/o Messrs. Child & Co., 1, Fleet Street, E.C.4.
Oct. 1910	*COLLIER, HENRY HEWETT ..	69, Fleet Street, E.C.
A. Dec. 1887 F. Feb. 1891	COLLINGHAM, JOHN CYRIL LEES	6, Mount Street, W.
A. Oct. 1912 F. July 1919	*COLLINS, LEONARD KEYTE ..	1, Newhall Street, Birmingham.
A. Dec. 1882 F. Jan. 1891	COLLINS, MARCUS E.	61, Old Broad Street, E.C.
May 1891	COMMIN, FREDERICK JAMES ..	5, Victoria Street, S.W.
Jan. 1891	CONDER, ALFRED, F.R.I.B.A. ..	1, Queen Street Place, E.C.
Jan. 1922	CONNELL, EDWIN JAMES ..	Trinity Buildings, 25, New Bridge Street, Newcastle-on-Tyne.
Oct. 1907	CONNOR, GEORGE HARRY ADAMS	Estates Office, Longniddry, N.B.
A. Feb. 1909 F. July 1921	*CONQUEST, CLAUDE DUNCOMBE	c/o Messrs. Thurgood, Martin & Eve, 27, Chancery Lane, W.C.2.
Oct. 1908	CONSTABLE, GEORGE WILLIAM ..	Traquair Estate Office, Innerleithen, N.B.
Oct. 1919	*CONWAY, EDWARD JOHN, LIC. R.I.B.A.	120, Upper Shirley Avenue, Southampton.
A. Oct. 1897 F. Apr. 1923	*COOKE, FREDERICK ROPER ..	4, Quex Road, High Road, Kilburn, N.W.
Oct. 1902	*COOPER, ARTHUR JOHN	8, Paddinswick Road, Ravenscourt Park, W.6.
A. Oct. 1900 F. Nov. 1907	*COOPER, GEORGE AUGUSTUS ..	7 and 9, Tunbridge Road, Maidstone.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
3813	A Oct. 1901 F. July 1905	*Cooper, Harry Thomas	106, George Street, Portman Squ W.1.
1927	Jan. 1891	Cooper, John Robert	35, Old Jewry, E.C., and Queen's Lo West End Lane, West Hampst N.W.
2772	Sep. 1895	Coote, Stanley Victor, M.A. (*Oxon*).	"Germains," Chesham, Bucks.
1966	A. Jan. 1891 F. Jan. 1895	*Cope, Henry James	7, Guildford Place, Russell Square,
1597	Mar. 1889	Corbett, Edwin Wortley Montagu	Bute Estate Office, Castle St., Car
3666	A. Oct. 1900 F. Sep. 1905	*Corbett, John Rooke, M.A. (*Cantab.*)	25, Great George Street, Bristol.
2453	A. Nov. 1891 F. May 1892	*Corderoy, Athelstane	The Old Manor, Salisbury.
7567	Oct. 1915	*Costello, Joseph	43, Westbourne Grove, Middl brough, Yorks.
3330	Oct. 1898	*Cotterell, Albert Player Isaac, M.I.C.E.	17, Old Queen Street, S.W.
926	A. Apr. 1883 F. Nov. 1889	Couchman, Henry Boteler ..	Moor Park Estate Office, Rickm worth, Herts.
6202	A. Oct. 1911 F. July 1916	*Coughlan, Patrick	King Street, Mitchelstown, Co. Co
4070	A. Oct. 1902 F. Dec. 1921	*Courtenay, Charles Philip..	Town Hall, Greenwich.
556	Jan. 1880	Coverdale, Frederick John ..	Billericay, Essex.
728	Feb. 1882	Coverdale, Henry	The Duke of Norfolk's Estates Of Sheffield, Yorkshire.
5423	A. Oct. 1908 F. Mar. 1920	*§Cowell, Norman, M.C.	District Valuer's Office, Bron House, High Street, Bromley, K
6945	CF.Oct.1912 F. Jan. 1922	Cowling, John William ..	Public Works Dept., Pretoria.
747	A. Feb. 1882 F. Apr. 1922	Cowper, Richard William ..	81, High Street, Sittingbourne, K
3214	A. Oct. 1897 F. Nov. 1900	*Cowper, William Shapland ..	81, High Street, Sittingbourne, Ker
7000	Oct. 1913	*Cox, Arthur Stanley	16, Queen Victoria Street, Readi
1732	Feb. 1890	Cox, Edward Samuel (*Member of Council*)	3, New Street, York.
9192	A. Oct. 1923 F. Dec. 1923	*Cox, Frank Thomas, Lt.-Col., D.S.O.	9, Vernon Road, Edgbaston, mingham.
3087	A. Oct. 1896 F. May 1900	*Cox, Walter Theodore ..	Holmbury, Bower Mount R Maidstone.
6206	A. Oct. 1911 F. Sep. 1919	*Coy, Frederick William Foster	5, Cranbourne Court, Albert Bri Road, S.W.11.
7672	Nov. 1916	*Crabb, Henry Ralph	Public Offices, Enfield, Middlesex.
2977	A. Oct. 1902 F. Jan. 1910	*Crabtree, Percy	Valuation Office, Inland Rever Huddersfield.
3525	A. Oct. 1899 F. Oct. 1907	*Cragg, George Edwin	Cayley Estate Office, Colwyn Denbighshire.

Date of Election and of Transfer.	FELLOWS.	Address.
Jan. 1922	CRAMER, JAMES	4, St. Mary's Parsonage, Manchester.
A. Oct. 1899 F. Sep. 1903	*CRAMPTON, ARTHUR WESLEY ..	7, Provost Road, Hampstead, N.W.3.
Nov. 1891	CRANFIELD, WILLIAM BATHGATE	6, Poultry, E.C.
Jan. 1922	CRAPP, FREDERICK ELLIOTT ..	c/o J. K. Dale, 117, Colmore Row, Birmingham.
A. Oct. 1913 F. Dec. 1918	*CRAWFORD, ANDREW RENNIE LIC.R.I.B.A.	Land Valuation Office, 249, George Street, Glasgow.
A. May 1883 F. Nov. 1888	CRAWTER, JOHN	White House, Claygate, Surrey.
A. Oct. 1907 F. Apr. 1919	*CREASEY, JOHN ROGERS, JUN. ..	30, Budge Row, Cannon Street, E.C.
A. Mar. 1881 F. Apr. 1922	CRESSWELL, JOHN THEODORE ROSS	5, Great College Street, Westminster Abbey, S.W.
Jan. 1922	CRICKMAY, HARRY WILLIAM ..	49, St. Mary Street, Weymouth.
A. Nov. 1891 F. Jan. 1896	*CRIER, JOHN THOMAS	12, Hoveden Road, Cricklewood, N.W.2. (Middlesex).
A. Oct. 1908 F. Oct. 1909	*CRISP, GEORGE FREDERICK ..	Valuation Office, Wells Road, Malvern, Worcestershire.
A. Oct. 1908 F. July 1920	*CROFT, CHRISTOPHER	The Elms, Dallington, Northampton.
A. Feb. 1881 F. Feb. 1890	CROFTS, EWAN NEVILE	Caythorpe, Grantham, Lincolnshire.
Oct. 1921	CRONE, WILLIAM MURRAY ..	65, West Regent Street, Glasgow.
A. Feb. 1898 F. July 1902	*CRONK, CHARLES TYLEE	26, Redcliffe Square, S.W.10.
Feb. 1882	CRONK, FRANK	Kent House, 1B, King Street, St. James' Square, S.W., and Sevenoaks, Kent.
A. Oct. 1908 F. July 1916	*CROOK, FELIX	17, Hooley Range, Heaton Moor, Stockport, Cheshire.
A. Oct. 1907 F. May 1910	*CROPPER, RICHARD BLAYLOCK	5, St. Petersgate, Stockport, Cheshire.
A. Oct. 1905 F. Oct. 1920	*CROSHER, WILLIAM SAMUEL, M.B.E.	Haims, Hampstead Way, Hampstead Garden Suburb, N.W.
Oct. 1903	*CROSS, ARTHUR GEORGE (*Member of Council*)	28, Victoria Street, Westminster, S.W.
Mar. 1890	CROSS, WILLIAM HASLAM	77, King Street, Manchester.
Oct. 1920	*CROSSLEY, FREDERICK	Estate Office, Gawthorpe Hall, Burnley, Lancs.
A. Oct. 1907 F. Apr. 1914	*CROW, FREDERICK LEWIS, JUN.	c/o Messrs. Crow, Dorking, Surrey.
A. Oct. 1907 F. Oct. 1909	*CROZIER, HARRY WILLIAM ..	Netherlow, London Road, Hertford.
A. Oct. 1901 F. Apr. 1913	*CRUMP, EDWARD HAROLD ..	22, Riverleaze Road, Sea Mills, near Bristol.
A. Oct. 1903 F. Dec. 1915	*CRUMP, HAROLD	Quarndon, 8, Ashbourne Avenue, Golder's Green, N.W., (Middlesex)
A. Feb. 1910 F. Dec. 1922	*CUBITT, ERNEST JAMES	13, Goldsmith Avenue, Acton, W.3 (Middlesex.)

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
8761	Jan. 1922	CUBITT, HARRY	Bedford Row Chambers, 42, Th bald's Road, W.C.1.
5428	A. Oct. 1908 F. Dec. 1911	*CULE, EDWARD IVOR	6A, The Temple, Dale Street, Li pool.
3768	A. Feb. 1901 F. May 1909	*CULLEN, FELIX VICTOR	82, Mortimer Street, W.
6583	A. Oct. 1912 F. Apr. 1920	*CULLIFORD, LEONARD ARTHUR, A.R.I.B.A.	3, John Street, Bedford Row, W.C
4154	A Oct. 1903 F. Apr. 1913	*CULVER, HERBERT GEORGE ..	10, Old Jewry Chambers, E.C.2.
3368	A. Oct. 1898 F. Dec. 1899	*CULVERHOUSE, CECIL GOLDAR FEARN	28 Holland Road, Hove.
7120	A. Oct. 1913 F. Sep. 1919	*CULVERWELL, GEORGE LANE ..	14, Market Place, Chippenham.
1928	Jan. 1891	CUMBERLAND, EDWARD ANTHONY	Luton and Leighton Buzzard, Bedfo shire.
4155	A. Oct. 1903 F. Nov. 1908	*CUNDY, HENRY I.	55, Risca Road, Newport, Mon.
9151	Oct. 1923	*CURREY, HAROLD WYNNE ..	37, Norfolk Street, Strand, W.C.2
6135	Oct. 1911	*CURRIE, ARTHUR LORIMER ..	192, Ledard Road, Langside, Glasg
581	Dec. 1880	CURTIS, CHARLES EDWARD ..	Woodlands, Brockenhurst, Hants.
2738	A. Mar. 1895 F. May 1898	*CUTHBERT-WILLIAMS, HENRY ..	Dudley House, The Steyne, Bogn Sussex.
7122	A. Oct. 1913 F. Sep. 1919	*CUTLACK, WILLIAM AUSTIN ..	11, Palace Grove, Bromley, Kent.
3529	A. Oct. 1899 F. Nov. 1903	*CUTLER, GEORGE ALFRED.. ..	6, Welbeck Court, Addison Brid Kensington.
3217	A. Oct. 1897 F. July 1905	*DADD, CHARLES JOHN THOMAS ..	County Hall, Westminster, S.E.1.
4399	A. Oct. 1904 F. June 1909	*DADSON, REGINALD THORNTON, O.B.E.	2, John Street, Bedford Row, W.C.1
6587	A. Oct. 1912 F. Sept. 1917	*DAKERS, EDWARD JOHN WILLIAM	93, Castlehill Road, Ayr, N.B.
8762	Jan. 1922	DALE, JOHN KIRKHAM	117, Colmore Row, Birmingham.
3930	A. Feb. 1902 F. Feb. 1908	*‖DALGLIESH, CHRISTOPHER	1, Victoria Square, Reading.
6445	A. Feb. 1912 F. Apr. 1922	*DALLEY, REGINALD ARTHUR ..	The Cedars, Kidderminster, Wo cestershire.
4663	A. Oct. 1905 F. Oct. 1914	*DAMPNEY, CYRIL JOHN	38, Midhurst Avenue, East Finchle N.2 (Middlesex).
3218	A. Oct. 1897 F. Feb. 1901	*DANGERFIELD, THOMAS SAMUEL	19 and 20, Holborn Viaduct, E.C.
3816	A. Oct. 1901 F. Jan. 1909	*§DANIELL, FREDERICK STANLEY..	Head Gate, Colchester.
3531	A. Oct. 1899 F. Nov. 1903	*DANN, HENRY	3, Spital Street, Dartford, Kent.
4664	A. Oct. 1905 F. Oct. 1915	*§DANNATT, PERCY BOOTHROYD, A.R.I.B.A.	18, Nelson Street, Greenwich, S.E.1
1666	A. Dec. 1889 F. Apr. 1891	*DARCH, JOHN..	55, West Side, Wandsworth Commo S.W.

‖ Special Rating Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1910 F. Apr. 1921	*Darling, John	25, Pitcullen Terrace, Perth.
A. Feb. 1883 F. May 1891	Dash, Roland Ashford	3, Lancaster Place, Strand, W.C.2.
A. Oct. 1909 F. Nov. 1922	*Dash, Roydon Englefield Ashford	Chief Valuer's Office, Valuation Office, Lincoln's Inn Fields, W.C.2.
A. Oct. 1900 F. July 1901	*Daubney, Charles Archibald, F.R.I.B.A.	District Surveyor, Bermondsey, Bank Chambers, Tower Bridge, Bermondsey, S.E.
Jan. 1922	Davenport, William T. ..	26A, Sankey Street, Warrington.
A. Oct. 1904 F. Jan. 1912	*Davey, John	30, Glenshiel Road, Eltham, S.E.
A. Dec. 1882 F. Nov. 1890	David, Edmund Ussher	4, Park Place, Cardiff, Glamorganshire.
A. Oct. 1893 F. July 1922	David, George Willoughby, B.A. (*Cantab.*)	11, Cathedral Road, Cardiff.
A. Oct. 1902 F. Dec. 1920	*David, Lewis Woolley, B.A. (*Cantab.*)	11, Cathedral Road, Cardiff.
A. Oct. 1900 F. July 1905	*‖Davidge, William Robert, F.R.I.B.A., A.M.I.C.E...	5, Victoria Street, Westminster, S.W.1
Feb. 1899	Davidson, Charles	Terrace Buildings, Paisley, Renfrewshire.
Oct. 1897	Davidson, James Inglis (*President*)	Saughton Mains, Corstorphine, Midlothian.
Jan. 1922	Davidson, William James ..	"Longleat," Queen's Road, Cheltenham.
Oct. 1911	*Davie, Alexander	Valuation Dept., 99, Glassford Street, Glasgow.
A. Oct. 1919 F. Apr. 1921	*Davies, Benjamin Price, M.S.A., A.I.Struct.E.	Surveyor of Works, City Hall, Cardiff.
A. Oct. 1893 F. Mar. 1896	*§Davies, Cyril Froodvale ..	Hafdre, Llanwrtyd Wells, Brecknockshire.
A. Nov. 1892 F. Oct. 1894	*Davies, David Thomas	33, Park Place, Cardiff.
A. Oct. 1907 F. Nov. 1912	*Davies, Harold Cliffe	97, Mount Road, Higher Tranmere, Birkenhead, Cheshire.
Oct. 1908	*Davies, Horace Francis, A.R.I.B.A.	28, Grange Road, Brook Lane, Chester
A. Oct. 1904 F. Nov. 1908	*Davies, John Nicholls	96, Ashen Grove, Wimbledon Park, Surrey.
A. Oct. 1913 F. June 1919	*Davies, John Simon	56, Morfa Street, Bridgend.
A Oct. 1899 F. Mch. 1920	*Davies, John William Satterley Humphreys	Valuation Office, 23, Skinner Street, Newport, Mon.
A. Oct. 1903 F. Apr. 1919	*Davies, Rhys Wiltshire.. ..	15, Western Elms Avenue, Reading.
A Oct. 1907 F. Nov. 1922	*‡Davies, William Gwynne Batchelor	14, Bell Street, Reigate.
Nov. 1891	Davis, Alfred Thomas, Major, M.I.C.E.	Shirehall, Shrewsbury.
Jan. 1922	Davis, Archibald Hinkley ..	90, Pilgrim Street, Newcastle-on-Tyne.

‖ Sessional Papers Gold Medal.

‡ Special Forestry Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4939	A. Oct. 1906 F. June 1919	*DAVIS, ARTHUR HENRY	19, Hanover Square, W.
8766	Jan. 1922	DAVIS, WILLIAM EDWARD ..	13, John Street, Adelphi, W.C.2.
5912	A. Oct. 1910 F. Dec. 1919	*DAVSON, ALAN WARBURTON ..	72, Victoria Street, S.W.1.
5431	A. Oct. 1908 F. Apr. 1919	*DAW, HERBERT WARWICK ..	100c, Queen Victoria Street, E.C
897	Feb. 1883	DAW, SIR WILLIAM HERBERT ..	100c, Queen Victoria Street, E.C
6599	A. Oct. 1912 F. Dec. 1920	*DAWES, GEORGE WILLIAM FRANCIS	74, Cheapside, E.C.2.
5095	Oct. 1907	*DAWSON, CHARLES FORD	14, Henleaze Road, Bristol.
7127	A. Oct. 1913 F. Dec. 1921	*DAWSON, ERNEST	49, Deansgate, Manchester.
3870	A. Oct. 1898 F. Oct. 1900	*DAWSON, GEORGE CROSBIE ..	19, Priory Row, Coventry, Warwicksh
5148	A. Oct. 1907 F. July 1919	*¶DAWSON, HENRY WALKER	c/o The Federation of Master Cott Spinners' Assoc., Ltd., Roya Exchange, Manchester.
6137	Oct. 1911	*DAWSON, ROBERT ALEXANDER	The Farm, Gordon Castle, Fochabe
1642	Dec. 1889	DAY, GEORGE CARLETON	Estate Office, Woodbridge, Shaftesbu Dorset.
1009	A. Dec. 1883 F. Nov. 1887	*DAY, WILLIAM	High Street, Maidstone, Kent.
7520	Oct. 1914	*¶DAYKIN, HARRY	"Elmsley," Trowle, Trowbridge Wilts.
7646	Nov. 1916	DEACON, MAURICE	Chase Cliffe, Whatstandwell, nea Matlock.
3818	A. Oct. 1901 F. Apr. 1911	*DEACON, STANLEY MARCUS ..	36, Red Down Road, Coulsdon, Sur
683	Jan. 1882	DEACON, THOMAS MARK	32, Craven Street, Charing Cro W.C.2.
6215	A. Oct. 1911 F. Mar. 1920	*DEAN, WILLIAM	42, Radford Road, Coventry.
8767	Jan. 1922	DEARLE, WILLIAM WALKER ..	13, John Street, Adelphi, W.C.2.
2576	A. Oct. 1893 F. Jan. 1899	*DEBENHAM, FREDERIC KERSEY	25 and 27, Oxford Street, W.
6681	A. Oct. 1912 F. Dec. 1918	*DE LA QUINTANA, CARLOS YGNACIO ELIAS	86, Eccleston Square, S.W.1.
3583	A. Oct. 1899 F. Mar. 1903	*DELVES, ROBERT HARVEY ADDINGTON	City Improvement Trust, Bombay.
1010	A. Dec. 1883 F. Oct. 1891	DEMETRIADI, THOMAS MARSDEN	53, Spinkfield Road, Birkby, Hu dersfield.
1667	A. Dec. 1889 F. Jan. 1894	*§DENDY, WILLIAM COOPER.. ..	Borough Engineer's Department, Lar beth Town Hall, Brixton Hill, S.W
1930	Jan. 1891	DENNISON, JOHN W., F.R.I.B.A.	28, Upperton Gardens, Eastbourne, Sus
3980	A. Oct. 1902 F. July 1918	*DENSHAM, JOHN BOON	The Warren, Higher Drive, Purley, Surrey.
3220	A. Oct. 1897 F. May 1903	*DENTON, WILLIAM	Montgomery Chambers, Hartshead, Sh field.
8768	Jan. 1922	DESCH, ERNEST CONWAY ..	3, Pump Court, Temple, E.C.
5653	A. Oct. 1909 F. July 1920	*DIBDIN, ROBERT JOHN ..	45, Fenchurch Street, E.C.

¶ Special Rating Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
Sep. 1895	DICKINSON, CHARLES, B.A. (*Dublin*) (*Member of Council*)	23, South Frederick Street, Dublin.
Oct. 1912	DICKINSON, HAROLD	23, South Frederick Street, Dublin.
Oct. 1908 May 1917	*DICKSON, ALFRED ERIC, CAPT.	30, Winckley Square, Preston, Lancs.
Dec. 1884 May 1885	*DICKSON, THOMAS ARTHUR ..	17, Debdale Road, Wellingborough.
Oct. 1894 May 1897	*DINWIDDY, DONALD	54, Parliament Street, S.W., and Greenwich, S.E.
Feb. 1883	DINWIDDY, THOMAS, F.R.I.B.A.	St. Margarets-at-Cliffe, Dover.
Oct. 1908 Feb. 1919	*‖ DIXON, ISAAC	148, Brownlow Hill, Liverpool.
Oct. 1909 Apr. 1919	*DIXON, MYLES	20, Castle Street, Liverpool.
Jan. 1922	DOCKERILL, CHARLES WILLIAM	2, Oxford Road, Bournemouth.
Oct. 1911 July 1923	*DOCKSEY, SYDNEY BATEMAN	175, Highgate, Heaton, Bradford.
Jan. 1922	DOD, HERBERT CHARLES WILLIAM	14, Elgin Road, Alexandra Park. N. 22 (Middlesex).
Jan. 1922	DODGE, HENRY WILLIAM ..	120, High Street, Brentford.
Oct. 1917	*DOLAMORE, FREDERICK PERCY..	Borough Surveyor, Municipal Offices, Bournemouth.
Apr. 1884	DOLL, CHARLES FITZROY, F.R.I.B.A.	5, Southampton St., Bloomsbury, W.C.
Nov. 1891	DOLLAR, PETER, A.R.I.B.A... ..	Craig's Court House, Charing Cross, S.W.
Dec. 1887 Dec. 1891	*§DONE, JOHN JAMES	Cricklewood, N.W. (Middlesex).
Nov. 1891	DORNING, ARTHUR HARRY ..	Holmleigh, Bowdon, Cheshire.
Feb. 1908	DOUGLAS, ARTHUR HUGH ..	Cortworth House, Wentworth, Rotherham, Yorks.
Oct. 1911	*DOUGLAS, JAMES WIGHTMAN, MAJOR, D.S.O.	Ministry of Health, Whitehall, S.W.
Oct. 1910 Dec. 1921	*DOUGLAS, NORMAN	26, Albert Road, Middlesbrough.
Oct. 1911 Apr. 1922	*DOW, WALTER JAMES	Penang, Guildford Road, Great Bookham, Surrey.
Jan. 1878	DOWNING, FREDERICK	The Hollies, Upper Tooting Park, S.W. 17.
Mar. 1891	DOWNING, HENRY PHILIP BURKE, F.R.I.B.A., F.S.A.	12, Little College Street, Westminster Abbey, S.W., and Avalon, Wilton Road, Merton, S.W. (Surrey).
Oct. 1902 Apr. 1921	*DRAKE, FRANK ARTHUR ..	39, Alfred Place West, South Kensington, S.W.
Dec. 1886 Nov. 1888	*DREW, HENRY ALBAN	24, East Southernhay, Exeter.
Feb. 1884 Jan. 1889	DREW, JOHN GOULD, B.A. (*Oxon*)	24, East Southernhay, Exeter.
Oct. 1909 June 1912	*DREW, STANLEY THOMAS ..	2, Great Winchester Street, E.C.
Oct. 1902 Nov. 1903	*DRIVER, ARTHUR CHARLES ..	7, Charles Street, St. James's Square, S.W.1.
Nov. 1916	*DROVER, WILLIAM HENRY, M.S.A.	36, Thornbury Avenue, Southampton.
Oct. 1902 Jan. 1910	*DROWER, EDMUND GILBERT ..	28, Victoria Street, S.W.

‖ Special Rating Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4845	Feb. 1906	DROWER, JOHN EDMUND, C.B.E.	28, Victoria Street, S.W.
5845	Oct. 1910	*DRUMMOND, BERTRAM, A.R.I.B.A.	54, Alfred Terrace, Fleetwood, Lanc
7642	Nov. 1916	DRUMMOND, FRANCIS DUDLEY W., COL.	Carmarthen.
3986	A. Oct. 1902 F. Jan. 1906	*‖‡§DUCHESNE, MARTIN COLLIER	Farnham Common, Slough, Bucks.
4667	A. Oct. 1905 F. Apr. 1913	*DUCKWORTH, WALTER EDMUND	The Mart, Bridgwater, Somerset.
1692	A. Jan. 1890 F. Dec. 1893	*DUDLEY, EDGAR..	Copseham, Oxshott, Surrey.
5660	A. Oct. 1909 F. July 1921	*DUKE, AUGUSTUS BARNABY CYRIL	West End House, Martinstown, nea Dorchester.
1802	May 1890	DUKE, EDWARD	Dorchester.
5438	A. Oct. 1908 F. Apr. 1923	*DUKE, HENRY EDWARD	Morland, Dorchester.
2221	Nov. 1891	DUNCAN, JAMES MORISON ..	40 and 42, Queen Victoria Street, E.C
3536	A. Oct. 1899 F. Oct. 1900	*DUNLOP, DUGDALE OAKELEY ..	28, Brazennose Street, Manchester.
6485	Oct. 1912	*DUNN, EDWARD JONATHAN ..	Valuation Office, Midland Bank Cha bers, Albert Road, Middlesbroug
1931	Jan. 1891	DUNN, SIR WILLIAM HENRY, BART.	36-37, Great St. Helen's, E.C.3.
8019	A. Oct. 1919 F. Apr. 1922	*DUNNAGE, GERALD ECKETT ..	13, Blenheim Road, St. John's Wood N.W.8.
8472	A. Oct. 1921 F. Oct. 1923	*DUNS, ROBERT HARBOTTLE ..	51, Cherryburn Gardens, Fenhar Newcastle-on-Tyne.
4943	A. Oct. 1906 F. Jan. 1909	*†DUNSMORE, GILBERT	1, Garthorne Road, Honor Oak Par S.E.
3624	A. Feb. 1900 F. July 1922	*DUNT, JOHN HARLOW	Trelawne, Arragon Gardens, Strea ham, S.W.
4669	A. Oct. 1905 F. Oct. 1907	*DURBRIDGE, ERNEST	7, Baker Street, Portman Squar W.1.
2222	Nov. 1891	DYBALL, HARVEY	108A, Cannon Street, E.C.4.
3371	A. Oct. 1898 F. June 1904	*DYER, FREDERICK BURFIELD ..	28, Holland Road, Hove.
8772	Jan. 1922	DYER, HENRY JOHN	2, Victoria Crescent, Southsea, Hant
5917	A. Oct. 1910 F. Dec. 1921	*DYER, WILLIAM FANSTONE ..	17, Montpelier Row, Blackheath, S.E and 30, Budge Row, Cannon St., E
792	Apr. 1882	DYER, WILLIAM JOHN	17, Montpelier Row, Blackheath, S.E.
7657	Nov. 1916	DYKE, BERNARD FRANK	c/o British Resident Naval Office Singapore.
4944	A. Oct. 1906 F. Dec. 1911	*DYKINS, PHILIP LLEWELLYN ..	Geoddi Beuno, Holywell, Flintshir

‖ Sessional Papers Gold Medal. ‡ Special Forestry Diploma.
† Special Sanitary Science Diploma.

p. o.	Date of Election and of Transfer.	FELLOWS-	Address.
18	A. Oct. 1910 F. Nov. 1912	*§Eachus, Charles Alfred Eedes	Valuation Office, Lincoln's Inn Fields W.C.2.
41	A. Oct. 1909 F. Dec. 1921	*Eamer, Alfred Stanley.. ..	9, Studley Terrace, Newcastle-on Tyne.
42	A. Oct. 1908 F. Dec. 1919	*Eames, Henry Parsloe	Pencraig, Caeran Crescent, Newport Mon.
75	A. Oct. 1900 F. Jan. 1908	*Earle, John Wilfrid	6, Quality Court, Chancery Lane W.C.2.
23	Nov. 1891	Earle, Thomas Algernon, Lt.-Col.	90, King Street, Manchester.
77	A. Oct. 1893 F. Feb. 1897	*§Eason, Edward William ..	192, Bishopsgate, E.C.
90	A. Oct. 1896 F. June 1900	*§Easter, William	Wiggenhall St. German, King's Lynn Norfolk.
37	Nov. 1918	Eckersley, Frank, o.b.e. ..	9, Kenilworth Avenue, Harrogate Yorkshire.
79	Oct. 1908	*Edge, Frederic James, m.i.c.e.	38, Blackett Street, Newcastle-on-Tyn
84	Sep. 1895	Edgeworth, Thos. Newcomen	Cherbury, Booterstown, Co. Dublin.
79	A. Oct. 1893 F. Jan. 1896	*Edmonds, John	Estate Office, Powis Castle, Welshpoo Mont.
46	Oct. 1910	*Edmonds, John Nitchell ..	Wood Farm, Malvern Wells, Worces tershire, and Worcester Chambers Pierpoint Street, Worcester.
12	Oct. 1920	*Edwards, David	Guildhall, Bath.
14	Oct. 1917	*Edwards, Richard	Cefnymaes, Oswestry, Salop.
20	A. Oct. 1910 F. Oct. 1913	Edwards, Sidney Albert ..	6, Ely Place, Dublin.
39	Dec. 1881	Egerton, Hubert Decimus ..	11, Little College Street, S.W.1.
73	Jan. 1922	Egerton, William	12, Queen's Road, Erith, Kent.
88	Dec. 1883	Eggar, James Alfred	74, Castle Street, Farnham, Surrey.
49	A. Oct. 1895 F. Nov. 1896	*Egginton, Denys	150, Friar Street, Reading.
58	Nov. 1918	*Eginton, Arthur Thomas ..	County Offices, Preston, Lancs.
83	A. Feb. 1905 F. June 1919	*Eiloart, Ferdinand Robert..	40, Chancery Lane, W.C.
30	A. Jan. 1879 F. Dec. 1883	Eiloart, Frederick Edward..	40, Chancery Lane, W.C.
27	Nov. 1891	Elford, John	Eastlea, Wimborne Road, Poole, Dorset.
87	A. Oct. 1902 F. Oct. 1920	*Elgar, Charles John	Crockshard, Wingham, near Dover, Kent.
80	A. Oct. 1893 F. Apr. 1922	Elgar, Walter Robinson ..	Hillside, Sittingbourne, Kent.
56	A. Nov. 1890 F. Feb. 1892	Elgood, Frank Minshull, o.b.e., f.r.i.b.a.	98, Wimpole Street, W.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
7568	Oct. 1915	*Elias, Charles Frederick ..	5, Harrington Street, Liverpool.
2514	A. Nov. 1892 F. Mar. 1896	*Ellis, Albert Edward	Bedford Chambers, Exeter.
3223	A. Oct. 1897 F. Nov. 1901	*Ellis, Alfred Cave	57, Chancery Lane, W.C.
3373	A. Oct. 1898 F. Jan. 1902	*Ellis, Arnold Robertson ..	39, Kimbolton Road, Bedford.
2785	Sep. 1895	Ellis, Ernest Francis Leslie	St. Austin's, Inch, Co. Wexford.
1887	A. Nov. 1890 F. May 1894	*Ellis, Francis	Bast House, Walmersley, Lancashire
2065	May 1891	Ellis, Frederick	141, Inverness Terrace, Hyde Park W.
5153	A. Oct. 1907 F. Dec. 1921	*Ellis, George Edward	"Penkridge," Chesham, Bucks.
1530	A. Dec. 1888 F. May 1890	*Ellis, Herbert Moates, Capt., M.C.	Butterhill House, Dorking.
1365	A. Jan. 1887 F. Feb. 1891	*Ellis, Ralph Staples	29, Fleet Street, E.C.
385	Feb. 1888	Ellis, Richard Adam	45, Fenchurch Street, E.C.
3091	A. Oct. 1896 F. June 1904	*Elphick, George Pelham ..	Valuation Office, Inland Revenue, 23 Upper Northgate Street, Chester.
5444	A. Oct. 1908 F. June 1915	*Elsworthy, John Gordon ..	97, Addison Road, Kensington, W.14
6231	A. Oct. 1911 F. Oct. 1913	*Elton, Percie Ion, A.R.I.B.A.	District Surveyor, 95, High Street Wandsworth, S.W.18.
667	A. Dec. 1881 F. Dec. 1890	Elwell, William Henry ..	3, Abingdon Gardens, Kensington S.W.
4674	A Oct. 1905 F. Sep. 1919	*Emery, Douglas Wade	District Valuer's Office, 2A, High Street, Bedford.
8396	Oct. 1921	*Endicott, Albert	Room 5 G.G., Directorate of Lands H.M.O.W., Storey's Gate, S.W.1.
8774	Jan. 1922	England, Harry	64, Victoria Street, Westminster S.W.1.
5155	A. Oct. 1907 F. Jan. 1912	*Entwistle, Charles Carruthers	10, Norfolk Street, Manchester.
6232	A. Oct. 1911 F. Oct. 1920	*Entwistle, Joseph	15, West Beach, Lytham, Lancs.
8775	Jan. 1922	Evans, Alfred Richard ..	11, Gray's Inn Place, Gray's Inn W.C.1.
2230	Nov. 1891	Evans, Arthur Owen	Dale Fort, Dale, Milford Haven Pembrokeshire.
4676	A. Oct. 1905 F. Dec. 1912	*Evans, Bertie Graham	Dalmuir House, Gresham Road, Oxted Surrey.
7001	Oct. 1913	*Evans, David	Valuer's Office, 10 & 12, Market Street, Carnarvon.
5573	A. Feb. 1909 F. Mar. 1920	*Evans, Edward Arthur, B.Sc., A.M.I.C.E.	County Surveyor's Office, Welshpool Montgomeryshire.
4677	A. Oct. 1905 F. Dec. 1912	*Evans, Edwin Dudley	La Marina, Old Fort Road, Shoreham-by-Sea, Sussex.
2950	A. Oct. 1895 F. Nov. 1909	*Evans, Ernest Sydney	District Valuer (Bucks), Amersham Hill, High Wycombe, Bucks.

	Date of Election and of Transfer.	FELLOWS.	Address.
1	A. Feb. 1911 F. July 1918	*Evans, Montagu, Capt., M.C.	2, Melbourne Place, Strand, W.C.2.
8	Oct. 1909	*Evans, Samuel	Divisional Roads Engineer, Ministry of Transport, 18, Dumfries Place, Cardiff.
2	Nov. 1891	Evans, William, A.M.I.C.E.	New Walk, Beverley, Yorkshire.
8	A. Feb. 1874 F. Nov. 1876	Evans, William Ernest	School Gardens, Shrewsbury.
4	A. Oct. 1894 F. Feb. 1901	*§Eve, Charles Gerald (*Member of Council*)	Lonsdale Chambers, 27, Chancery Lane, W.C.2.
6	A. Dec. 1887 F. May 1891	*Eve, Sir Herbert Trustram, K.B.E.	2, St. Paul's Square, Bedford, and 2 & 3, The Sanctuary, Westminster, S.W. 1.
3	Oct. 1899	*Eve, William Harold (*Member of Council*)	10, Union Court, E.C.
5	A. Oct. 1894 F. Nov. 1900	*Everington, John	Forster Estate Office, 31, Bromley Road, Catford, S.E.
4	A. Oct. 1919 F. July 1923	*§Evershed, Wilfrid Leonard Armitage	27, Farnham Road, Guildford.
6	A. Oct. 1901 F. May 1905	*Every-Clayton, Reginald Arthur Eric	4, Oakfield Road, Newport, Mon.
6	A. Oct. 1894 F. Nov. 1895	*Eves, Francis George Bertram	54, High Street, Uxbridge, Middlesex.
9	A. Jan. 1889 F. Nov. 1892	*Eves, William Lionel	54, High Street, Uxbridge, Middlesex.
4	A. Oct. 1904 F. June 1912	*Eyles, Charles Henry	Ministry of Health, Whitehall, S.W.1.
7	A. Oct. 1894 F. Sep. 1904	*Fagg, Edwin William	92, High Street, Notting Hill Gate, W. 11.
2	A. Oct. 1896 F. Nov. 1901	*Fair, Arthur Edward	Estate Office, Haigh Hall, Wigan, Lancashire.
0	Dec. 1888	Fair, James Stretton	Falkland House, Long Melford, Suffolk.
3	A. Oct. 1903 F. June 1906	*Fairchild, Edward James	10, St. John's Street, Adelphi, W.C.
7	Jan. 1891	Fairclough, William	The Gables, Leigh, Lancashire.
5	A. Oct. 1908 F. Oct. 1911	*Fairminer, William James	Ye Homesteade, 40, Hallswelle Road, Golder's Green, N.W. (Middlesex).
3	Mar. 1890	Falcon, Michael	Horstead House, Norwich.
3	Jan. 1922	Farley, George Henry	24, Park Row, Nottingham.
1	A. Oct. 1895 F. Oct. 1899	*Farmer, Hugh Cecil	5, Great College Street, Westminster Abbey, S.W.
2	Nov. 1891	Farnan, Henry Richard	41, Finsbury Pavement, E.C.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
3225	A. Oct. 1897 F. July 1905	*FARNHAM, WILLIAM AUGUSTUS..	Sidcup, Kent.
2787	Sep. 1895	FARRELL, EDWARD FRANCIS, LT.-COLONEL..	Walterstown,Moynalty,Kells,Co.Mea
4947	A. Oct. 1906 F. Nov. 1907	*FARRER, FREDERICK ROBERT..	2, Coleman Street, E.C.
5157	A. Oct. 1907 F. Oct. 1918	*FARRER, JOHN CAMPLIN	13, Handel Mansions, Handel Stree W.C.1.
8777	Jan. 1922	FARROW, E. BERTRAM	171, Exploration Buildings, Com missioner Street, Johannesburg.
8778	Jan. 1922	FARTHING, WILLIAM WALTER..	c/o Headquarters, Royal Air Force Middle East Area, Cairo, Egypt.
7744	Nov. 1918	FAULDS, WILLIAM CLARK	133, Great Hamilton Street, Glasgov
8779	Jan. 1922	FAUX, CHARLES JAMES	22, Essex Street, Strand, W.C.2.
5923	A. Oct. 1910 F. July 1916	*FAYERMAN, ALEC GEORGE PERCY, MAJOR	57,The Parade, Leamington,Warwic shire.
4680	A. Oct. 1905 F. Feb. 1919	*FELTHAM, ARTHUR WILLIAM ..	12, St. Michael's Road, Maidstone.
4344	Oct. 1904	*FENTON, ADAM DOUGLAS	Maristow Estate Office, Roborough, Devon.
6628	A. Oct. 1912 F. Nov. 1922	*FENTON, FRANK	South View, Addingham, Ilkle Yorks.
5924	A. Oct. 1910 F. Apr. 1920	*FENTUM, CHARLES ALFRED ..	Valuation Office, 6, Ely Place, Dubli
7557	Oct. 1915	FENWICK, CHARLES RICHARD, M.I.C.E.	26, Park Row, Leeds.
8780	Jan. 1922	FERGUSON, ACHESON	2, Wellington Place, Belfast.
6486	Oct. 1912	*FERGUSON, JAMES, MAJOR ..	22, Glandore Avenue, Belfast.
974	Nov. 1883	FERRIS, GEORGE	Milton Manor, Pewsey, Wilts.
8781	Jan. 1922	FEW, HARRY EDWARD	21, Elspeth Road, Lavender Hil S.W.11.
831	Dec. 1882	FIDDIAN, WILLIAM	7, Church Street, Stourbridge, Wo cestershire.
8783	Jan. 1922	FIDGEN, WALTER FRANK.. ..	27, Chancery Lane, W.C.2.
3374	A. Oct. 1898 F. July 1907	*FIELD, CHARLES ROLAND ..	54, Borough High Street, S.E.
7739	Nov. 1918	FIELDER, CHARLES LAVINGTON..	Lands Branch, Civil Engineer in Chie Dept., Admiralty, S.W.1.
2517	A. Nov. 1892 F. May 1896	*FINN, FRED	St. Bartholomew's, Sandwich, Ken
2456	A. Nov. 1891 F. Oct. 1894	*FINN, HERBERT ARCHIBALD ..	16, St. Mark's Hill, Surbiton, Surre
6633	A. Oct. 1912 F. Oct. 1913	*FINN-KELCEY, HUBERT FRANCIS	Estate Office, Lyminge, Folkeston Kent.
8994	A. Oct. 1922 F. July 1923	*FIRTH, FRED	The Kennels, Packington Hall, ne Coventry.
5448	A. Oct. 1908 F. Dec. 1910	*FIRTH, HARRISS	Valuation Department, 25, Winckl Square, Preston.
927	A. Apr. 1883 F. Jan. 1889	FISHER, CHARLES BROWNING, C.B.E. (*Member of Council*)..	Market Harborough, Leicestershire.

ip. o.	Date of Election and of Transfer.	FELLOWS.	Address.
39	Oct. 1911	*Fisher, Gathorne John ..	Briarlea, Penygam, Pontypool, Mon mouthshire.
93	A. Oct. 1896 F. Apr. 1922	*Fisher, Robert	Glen Esk, Preston Road, Wembley Middlesex.
82	A. Oct. 1905 F. June 1906	*Fisher, Thomas George ..	128, Colmore Row, Birmingham.
19	A. Oct. 1904 F. Apr. 1920	*Fitch, Sidney	25, Priory Road, High Wycombe Bucks.
81	A. Oct. 1893 F. Mar. 1896	*Fitt, Harry Charles	21, Craven Avenue, Ealing, W. (Middlesex).
89	Sep. 1895	Fitzgerald, Peter David ..	Estate Office, Adare, Co. Limerick.
64	Nov. 1916	Fitzherbert, Bertram Richard Edward	Emo Park, Portarlington.
65	A. Oct. 1903 F. Apr. 1914	*Flatt, John Alexander ..	c/o Messrs. Ellis & Sons, 45, Fen church Street, E.C.3.
04	Oct. 1899	*Fletcher, Sir Banister Flight, F.R.I.B.A.	1, King's Bench Walk, Temple, E.C.4
66	A. Oct. 1903 F. Apr. 1911	*Fleuret, Alfred Harman ..	22, Bloomsbury Square, W.C.
82	Jan. 1922	Flew, John	Tyrell Street Chambers, 55, Tyrel Street, Bradford.
49	A. Oct. 1908 F. June 1914	*Flint, William Fielder	Eastnor, Cassiobury Park Avenue Watford, Herts.
49	A. Feb. 1882 F. June 1891	Flint, William Hurst	11, Searle St., Lincoln's Inn Fields. W.C
27	A. Oct. 1910 F. Feb. 1919	*Floyd, Arthur Noel	Messrs. Dixon & Floyd, 83, Colmore Row, Birmingham.
20	A. Nov. 1918 F. July 1919	*Foot, Harold John	15, Barn Hill, Stamford, Lincs.
94	Sep. 1895	Forbes, Arthur	Earls Vale, Cavan, Ireland.
67	May 1891	Forbes, Charles Mansfeldt..	14, New Street, York.
21	Oct. 1914	*Ford, Andrew	7, Gildredge Road, Eastbourne, Susse
84	Jan. 1922	Ford, Charles John	4, Mitre Court, Fleet Street, E.C.
39	A. Oct. 1911 F. Apr. 1922	*Ford, Francis Curtis	9, Old Jewry Chambers, E.C.2.
38	Nov. 1891	Ford, Lawton Robert	32, Orchard Street, Oxford Street W.1.
50	A. Oct. 1906 F. Feb. 1918	*Ford, Richard Dickins Lancelot	155, Old Kent Road, S.E.
13	Oct. 1914	Forestier-Walker, Charles Evelyn	31, Charles Street, Cardiff.
96	Oct. 1907	*Forshaw, William	Valuation Office, Howard Place, Hanley, Staffordshire.
49	Feb. 1915	Forster, Thomas Emerson ..	3, Eldon Square, Newcastle-on-Tyne
45	A. June 1896 F. Dec. 1919	*Foster, Edward Charles ..	54, Pall Mall, S.W.
75	A. Oct. 1898 F. Dec. 1914	*Foster, Henry Helm	Bank Chambers, 169, Balham High Road, S.W.12.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5668	A. Oct. 1909 F. Apr. 1919	*§Foster, Henry Oswald	Valuation Office, Lincoln's Inn Field W.C.2.
2519	A. Nov. 1892 F. Nov. 1895	*Foster, James Herbert Furmedge	The Rolle Estate Offifice, Exmout Devon.
3829	A. Oct. 1901 F. Oct. 1915	*Foster, William Arthur, A.M.I.C.E.	The Butts, Rochdale, Lancs.
5450	A. Oct. 1908 F. Nov. 1912	*Foster, William Frederick ..	45, Nine Elms Lane, S.W.8.
4421	A. Oct. 1904 F. July 1922	*Foulis, Archibald Keith ..	Hamilton Estates Office, The Palac Hamilton, Scotland.
3538	A. Oct. 1899 F. Dec. 1904	*Fowler, Alfred Charles Stanley	45, Fore Street, Hertford.
3990	A. Oct. 1902 F. Apr. 1913	*Fowler, Cyril James	67, Elms Road, S.W.4.
6468	Oct. 1912	Fowler, George H.	Estate Office, Kells.
1806	May 1890	Fowler, Gerard Edmund ..	Colmore House, 21, Waterloo Stree Birmingham.
1780	Apr. 1890	Fowler, Reginald William ..	3, Hartshead, Sheffield.
1403	Dec. 1887	Fowler, Richard	35, Silverbirch Road, Erdingto Birmingham.
2240	Nov. 1891	Fowler, William	69, Temple Row, Birmingham.
2732	A. Mar. 1895 F. June 1911	*Fox, Charles Edward	7, Rawson Street, Halifax, Yorkshire
7823	A. Nov. 1918 F. Apr. 1920	*Fox, Charles Horace, Lt.-Col., O.B.E., B.Sc., M.I.Struct.E.	7 Rawson Street, Halifax, Yorkshir
2241	Nov. 1891	Fox, Charles James	7, Rawson Street, Halifax, Yorkshir
1845	Nov. 1890	Fox, Edwin	Ballard's Lodge, North Finchley, N.1 (Middlesex).
3680	A. Oct. 1900 F. Dec. 1902	*Fox, Ernest	44 50, Old Christchurch Road, Bournemouth, Hampshire.
2669	A. Oct. 1894 F. Oct. 1899	*Fox, Frederick Russell ..	Grove Hill, Barnstaple, Devon.
4422	A. Oct. 1904 F. Nov. 1909	*Fox, Sidney Joseph	Finsbury Court, Finsbury Pavemen E.C.
3681	A. Oct. 1900 F. Jan. 1904	*Fox, William	44 to 50, Old Christchurch Roa Bournemouth, Hampshire.
1545	Jan. 1889	Francis, George Futvoye ..	20, Thurleigh Road, S.W.12.
3831	A. Oct. 1901 F. June 1906	*Francis, John, Major, D.S.O. ..	The Mount, Carmarthen.
1760	Mar. 1890	Francis, Leon Albert	Vernon House, Sicilian Avenue, Bloomsbury Square, W.C.1.
8785	Jan. 1922	Francis, Leon Alfred John..	Vernon House, Sicilian Avenue, Bloomsbury Square, W.C.1.
6242	A. Oct. 1911 F. Apr. 1919	*Francis, Reginald Herbert..	Vernon House, Sicilian Avenue Bloomsbury Square, W.C.1.
3931	A. Feb. 1900 F. Mar. 1922	*Francis, Ronald Garnham	33, Hill's Avenue, Cambridge.
6123	Oct. 1911	Frank, Sir Howard, Bt., K.C.B.	20, Hanover Square, W.

Ap. No.	Date of Election and of Transfer.	FELLOWS.	Address
52	A. Oct. 1906 F. July 1913	*Frank, Thomas Peirson, A.M.I.C.E.	City Hall, Cardiff.
08	May 1890	Franklin, Arthur Thomas ..	25, Ludgate Hill, E.C.
57	A. Nov. 1891 F. Feb. 1895	*Franklin, Benjamin Belgrove	33, King Street, Luton, Beds.
92	Sep. 1895	Franks, Harry (*Member of Council*)	Woodbrook, Mountrath, Queen's County.
67	A. Jan. 1891	*Fraser, William	209, St. Vincent Street, Glasgow.
32	A. Oct. 1919 F. Dec. 1921	*Freeman, Archibald Francis	4 and 5, Charles Street, St. James' Square, S.W.1.
31	A. Oct. 1910 F. Oct. 1920	*Freeman, Dudley Searle ..	Waterlake, Chiddingstone, Kent.
14	A. Feb. 1884 F. Apr. 1890	Freeman, Sydney	Tunbridge Wells, Kent, and 28, Queen Street, Cheapside, E.C.
40	A. Oct. 1912 F. Nov. 1914	*Fremantle, Percy Warwick ..	Cranbrook, Woodside Road, New Malden, Surrey.
01	A. Oct. 1902 F. Apr. 1911	*French, Cecil George, Major	11, Hervey Close, Church End, Finchley, N. (Middlesex).
95	Sep. 1895	Frend, Henry	Crinkle House, Birr, King's County.
47	Nov. 1916	Frew, David Landale.. ..	45, Hope Street, Glasgow.
47	Oct. 1910	*Frew, Gordon Thomson.. ..	227, West George Street, Glasgow.
80	Oct. 1908	*†Freyberg, Herbert, M.S.A. ..	8, Gray's Inn Square, W.C.1.
27	Feb. 1902	Fritchley, Edwin Wollaston	Shelwood, Coonoor, Bombay.
86	Jan. 1922	Froud, Maynard	1, St. Stephen's Chambers, Baldwin Street, Bristol.
64	A. Oct. 1913 F. July 1920	*Fuller, Ernest Benjamin ..	Cornmarket, Louth, Lincs.
24	A. Mar. 1884 F. Apr. 1891	Fuller, Thomas Alfred ..	The College, All Saints', Derby.
48	Oct. 1910	*Fulton, Edwin Alexander, B.SC. (*Edin.*)	14, Finkle Street, Kendal.
53	A. Oct. 1895 F. Sep. 1905	*Funnell, Horace Denston ..	5, Guildford Street, W.C.
51	A. Feb. 1882 F. Apr. 1922	Furber, Henry Aubrey ..	3, Warwick Court, Gray's Inn, W.C.
26	A. Oct. 1897 F. Jan. 1901	*Furmedge, John Harris ..	Estate Office, Culford, Bury St. Edmund's.
17	Jan. 1876	Gairdner, Edward James ..	St. Neots, Huntingdonshire.
04	Mar. 1891	Gale, Ernest Sewell	15, New Bridge Street, E.C.
24	A. Oct. 1904 F. Mar. 1920	*Gale, Harold James	Market Place, Wallingford, Berkshire
83	A. Oct. 1900 F. Nov. 1901	*Gale, Harry	High Street, Egham, Surrey.
92	Oct. 1914	Galletly, William Haldane..	Greenside, Walton, near Wakefield

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Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
1693	A. Jan. 1890 F. Apr. 1922	GALSWORTHY, VINCENT SOMERS	26, Dover Street, W.
1713	Feb. 1890	GAMBLE, SIDNEY GOMPERTZ, A.M.I.C.E.	16, Queen Anne's Gardens, Bedfor Park, W.4. (Middlesex).
3377	A. Oct. 1898 F. Nov. 1899	*GARDINER, ROBERT STRACHAN..	16, Crane's Drive, Surbiton, Surrey.
2520	A. Nov. 1892 F. Mar. 1895	*GARDNER, GILBERT	Crawley, Sussex.
8787	Jan. 1922	GARLAND, HUGH CORNWALL ..	260, Oxford Road, Manchester.
4691	A. Oct. 1905 F. Apr. 1916	*GARNHAM, EDWIN ALFRED VICKERY	Valuation Office, Martlett Hous Bow Street, W.C.2.
1839	A. Nov. 1890 F. Oct. 1907	*GARRARD, ARTHUR NORMAN (*Hon. Secretary*)	4 and 5, Charles Street, St. James Square, S.W.
2246	Nov. 1891	GARRARD, NORTON BURROUGHS	Hoxne, near Diss (Suffolk).
8104	Oct. 1920	GARRIOCH, JOHN T.	Croyard, Beauly, Inverness.
2247	Nov. 1891	GARROOD, THOMAS WILLIAM M.	324 & 326, Regent Street, W., ar Badgers Mount, Knockholt, Ken
7551	Feb. 1915	GARTON, WALTER T.	The Ellerbeck Colliery Office, A lington, near Chorley, Lancs.
5595	Oct. 1909	GARVEY, GEORGE BLOOMFIELD, M.E.	5, Park Road, Wimbledon, S.W. (Surrey).
2800	Sep. 1895	GARVEY, TOLER ROBERT	Estate Office, Birr.
1810	May 1890	GATE, ALFRED JOSEPH	Fleet Farm, Lamarsh, near Bures Suffolk.
688	Jan. 1882	GATER, CALEB WILLIAM	The Grange, Winterbourne Dauntse Salisbury.
4955	A. Oct. 1906 F. Apl. 1915	*GAWITH, HARRISON	City Surveyor's Office, Town Ha Manchester.
8788	Jan. 1922	GAYTON, HAROLD	22, Kenilworth Road, The Polygo Southampton.
7516	Oct. 1914	GEDDES, CHARLES DAVID ..	21, Young Street, Edinburgh.
7002	Oct. 1913	*GEEN, WALTER, M.A. (*Cantab.*)..	57, Waterloo Road, S.E.
2248	Nov. 1891	GELDER, SIR WILLIAM ALFRED, F.R.I.B.A.	120, Alfred Gelder Street, Hull.
3541	A. Oct. 1899 F. May 1905	*GENGE, WILLIAM POPE, JUN. ..	c/o Messrs. Rumball & Edward St. Alban's, Herts.
2521	A. Nov. 1892 F. Nov. 1895	*§GERMAN, GEORGE	Rawdon Terrace, Ashby-de-la-Zouch
7493	Oct. 1914	GERMAN, GEORGE JOSEPH ..	Ashby-de-la-Zouch.
2070	May 1891	GERMAN, HARRY..	Estate Office, Newstead Abbey, Linby, Notts.
887	Feb. 1883	GERMAN, JOHN	Ashby-de-la-Zouch, Leicestershire.
8382	Oct. 1921	GETHIN, RANDOLPH GEORGE, MAJOR, M.B.E.	Estate Office, 17, Beresford Stree Waterford.
1294	A. Jan. 1886 F. Nov. 1890	*§GIBBON, WM. JACOMB, A.R.I.B.A.	32, Great James Street, Bedford Ro W.C.1.
1668	A. Dec. 1889 F. May 1893	*GIDDY, OSMAN HORTON	11A, Regent Street, Waterloo Place, S.

	Date of Election and of Transfer.	FELLOWS.	Address.
2	A. Oct. 1908 F. Apr. 1919	*Gifford, Egmont Augustus ..	123, Victoria Street, S.W.
9	Jan. 1922	Gilbert, Frank Myles	137, Rock Avenue, Gillingham, Kent.
4	A. Oct. 1904 F. Jan. 1909	*Gilbert-Lodge, Edward Morton	Royal Yacht Club, Bombay.
2	Feb. 1899	Gilchrist, John	81, Hope Street, Glasgow.
0	Oct. 1911	*Giller, Charles Frederick ..	4, Dean Stanley Street, S.W.1.
1	A. Oct. 1913 F. Nov. 1916	*Giller, George Samuel, M.B.E.	District Valuer's Office, County Buildings, College Court, Gloucester.
4	A. Oct. 1910 F. Oct. 1920	*Gillett, Edward Bailey ..	4 & 5, Charles Street, St. James' Square, S.W.1.
4	A. Oct. 1901 F. May 1909	*Gimson, Allen	16, Woodridings Avenue, Hatch End, Middlesex, and 111/113, Great Portland Street, W.1.
7	Oct. 1912	*Girling, Robert James	Felix Chambers, Felixstowe, Suffolk.
8	A. Oct. 1904 F. Jan. 1908	*Glasier, Edward Brougham..	Grafton House, 12 and 13, Grafton Street, Piccadilly, W.
3	A. Oct. 1911 F. Apr. 1922	*Gledhill, James Herbert ..	120, Old Kent Road, S.E.
7	A. Feb. 1912 F. Dec. 1920	*Gledhill, Sidney Verity ..	203, Borough High Street, S.E.1.
2	A. Oct. 1903 F. Dec. 1909	*Gleed, Percival Francis ..	8 and 9, Martin's Lane, Cannon St., E.C.
2	Jan. 1890	Gleed, Richard Cummings ..	8 and 9, Martin's Lane, Cannon St., E.C.
8	Oct. 1908	Glen, James	Ashfield, Park Place, Stirling.
1	Sep. 1895	Gloster, Thomas Edward ..	Estate Office, Knockdrin Castle, Mullingar, co. Westmeath.
4	A. Oct. 1912 F. Dec. 1922	*Glover, Cecil Miller	Daimler House, 33, Paradise Street, Birmingham.
2	A. Oct. 1894 F. June 1898	*Glover, Henry Alexander ..	18, Riggindale Road, Streatham, S.W.16.
2	Oct. 1905	Goadby, Francis Hubert, A.M.I.C.E.	Works Department, H.M. Dockyard, Chatham, Kent.
5	A. Oct. 1896 F. Oct. 1900	*Goadby, Howard, Lt.-Col. ..	17, Cossington Road, Westcliff-on-Sea.
4	A. Oct. 1903 F. Apr. 1911	*Godding, Frank Horatio ..	40, Hans Place, S.W.
5	A. Oct. 1908 F. July 1921	*Godfrey-Payton, Walter ..	2, Bridge End, Warwick.
8	A. Oct. 1897 F. Feb. 1900	*Goldsmith, Douglas Fleet ..	Lavant Street, Petersfield, Hants.
7	Nov. 1922	*Gooch, Charles David	2, Princes Street, Hanover Square, W.1.
5	Nov. 1916	Good, Thomas Morgan	21, Lincoln Place, Dublin.
2	Oct. 1923	*Goodacre, John Frank Johnson	19, Park Street, Worksop, Notts.
5	A. Oct. 1900 F. Nov. 1905	*Goodbody, Fredk. Allen Sturge	11, Orchard Street, Bristol.
4	A. Oct. 1902 F. Oct. 1909	*Goodchild, Ralph Harry ..	57, London Street, Norwich.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
3836	A. Oct. 1901 F. Nov. 1909	*Goodchild, Walter Charles..	79, Foxbourne Road, Upper Tootin S.W.17.
4883	Oct. 1906	Gooding, William Alfred ..	Arndilly, York Road, St. Albans, He fordshire.
3343	A. Oct. 1899 F. Dec. 1904	*Goodman, Alfred	35, Bucklersbury, E.C.
1546	Jan. 1889	Goodwyn, Leonard William..	20 Portman Street, Portman Squa W.
3928	Feb. 1902	*Gordon, Alexander..	97, Queen Victoria Street, E.C.
5369	Oct. 1908	Gordon, Alexander William Robert	3, Parliament Square, Edinburgh.
8109	Oct. 1920	Gorman, James	6, Ely Place, Dublin.
8114	Oct. 1920	*†Gosling, John Henry Charles	Town Hall, Portsmouth.
8790	Jan. 1922	Goss, Harry Charles	2A, Fleet Street, Torquay.
2252	Nov. 1891	Gott, Charles Henry, M.I.C.E. (*Member of Council*)	Valuation Office, 29, Manor Ro Bradford, Yorkshire.
5937	A. Oct. 1910 F. Nov. 1914	*Gott, Ralph Edgar	Valuation Office, Inland Reven Lincoln's Inn Fields, W.C.2.
3158	A. Feb. 1897 F. May 1897	*Goulding, Arthur	41, Moorgate Street, E.C.
4697	A. Oct. 1905 F. June 1914	*Gowing, Charles Towler ..	Old Bank of England Court, Que Street, Norwich.
5938	A. Oct. 1910 F. July 1920	*Grace, Edward Nathaniel	Kendalls Building Estate Office, Ra lett, Herts.
4699	A. Oct. 1905 F. Oct. 1915	*‡Graham, Henry Cecil	5, Great College Street, Westmins Abbey, S.W.
7172	A. Oct. 1913 F. Sept. 1917	*Grant, Herbert Mitchell, Capt.	"Bengarth," Blairgowrie, Perthshire
827	A. Dec. 1882 F. Jan. 1885	Grant, James	Glandwr, Llanidloes, Montgomerysh
1669	A. Dec. 1889 F. Apr. 1922	Grant, Joseph	103, George Street, Croydon.
3229	A. Oct. 1897 F. Mar. 1909	*Gray, Horace Norman	334, Commercial Road, E.
5675	A. Oct. 1909 F. Oct. 1910	*Gray, John..	15, Claremont, Alloa, N.B.
5676	A. Oct. 1909 F. June 1914	*Gray, John Vincent	1, Lewisham Hill, S.E.13.
2583	A. Oct. 1893 F. Apr. 1922	Gray, Percy William	29, St. Andrew's Street, Cambridg
7494	Oct. 1914	Greaves, Percy Christian ..	Wakefield, Yorkshire.
7480	Oct. 1914	Green, Albert Thomas ..	6, Ely Place, Dublin.
3096	A. Oct. 1896 F. July 1907	*Green, Arthur Edward.. ..	57, London Road, Southampton.
2141	A. May 1891 F. May 1897	*Green, Edmund Horace.. ..	10, Carew Road, Eastbourne.
2584	A. Oct. 1893 F. May 1897	*Green, Frederick Algernon..	93, Cannon Street, E.C.
1012	A. Dec. 1883 F. Oct. 1913	Green, James Henry Townsend	22, Chancery Lane, W.C.
8197	A. Oct. 1920 F. Apr. 1921	*Green, Joseph Alexander ..	Manor Terrace, Eckington, near Sh field.

† Special Sanitary Science Diploma.

‡ Special Forestry Diploma.

	Date of Election and of Transfer.	FELLOWS.	Address.
8	A. Dec. 1887 F. Apr. 1922	GREEN, THOMAS JOHN	13, King Street, Maidstone.
7	A. Oct. 1909 F. Nov. 1912	*GREENAWAY, JOSEPH REGINALD	11, Friar Street, Reading.
0	Oct. 1920	GREGG, JOSEPH C.	6, Ely Place, Dublin.
0	Feb. 1897	GREGORY, ALFRED, COL., O.B.E.	Walden House, Beltinge Road, Herne Bay.
1	Jan. 1922	GREGORY, CHARLES WILLIAM..	23, Clare Street, Bristol.
5	A. Oct. 1895 F. June 1896	*GREGSON, GEORGE ERNEST ..	106, Lord Street, Southport.
8	A. Oct. 1907 F. July 1919	*GREY, GEORGE WILLIS	P.W.D., Singapore, Malay States.
3	A. Oct. 1894 F. May 1896	*GRIFFIN, ALFRED..	47, South Street, Greenwich, S.E.
3	May 1891	GRIFFIN, HAROLD	54, High Street, Battersea, S.W., 22, Water Lane, Great Tower Street, E.C.3, and 191, Lavender Hill, Clapham Junction, S.W.
3	A. Oct. 1909 F. Dec. 1920	*GRIFFIN, HAROLD, JUN. ..	54, High Street, Battersea, S.W., 22, Water Lane, Great Tower Street, E.C.3, and 191, Lavender Hill, Clapham Junction, S.W.
9	A. Oct. 1909 F. Apr. 1920	*GRIFFITH, FRANK STANLEY ..	17, Bedford Row, W.C.1.
5	Oct. 1914	GRIFFITHS, WILLIAM THOMAS ..	Uplands, Tygwyn Road, Penylan, Cardiff.
9	A. Oct. 1908 F. Oct. 1910	*GRIMWOOD, ARTHUR	Valuation Dept., I.R., 52, Bridge Street, Walsall, Staffs.
8	A. Oct. 1912 F. Dec. 1920	*GRIMWOOD, HERBERT GEORGE, CAPT.	c/o Consulting Architect, P.W.D., Government of Bombay, Bombay.
8	A. Oct. 1904 F. July 1921	*GRIPPER, JOHN BELL	28, Victoria Street, S.W.1.
9	A. Oct. 1898 F. Dec. 1901	*GRIPPER, JOSEPH EDWARD ..	Manor House Farm, Brampton, Huntingdon.
9	A. Oct. 1907 F. Oct. 1910	*GROVE, ALBERT	2, Parkfield Terrace, Stourbridge, Worcestershire.
7	A. Feb. 1890 F. Jan. 1893	*GROVER, ARTHUR	18, Charing Cross Road, W.C.
5	A. Oct. 1902 F. Dec. 1909	*GROVES, ARNOLD TUDOR	125, High Holborn, W.C.
8	Oct. 1919	GUILD, JAMES LYON	71, George Street, Edinburgh.
8	Oct. 1904	GUINNESS, HOWARD RUNDELL..	16, College Green, Dublin.
2	A. Feb. 1913 F. Apr. 1922	*GUIVER, DUDLEY	45, High Street, Ponder's End, Middlesex.
6	Oct. 1920	GUNSON, ERNEST	10, Marsden Street, Manchester.
0	A. Jan. 1889 F. May 1900	*GUNTER, JAMES	Estate Office, Glasbury, Radnorshire.
8	Nov. 1922	*GUNTON, WILLIAM HENRY ..	Finsbury House, E.C.2.
7	A. Oct. 1919 F. Oct. 1920	*GURNEY, FREDERICK GEORGE	6, George Street, Euston Road, N.W.1.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
6262	A. Oct. 1911 F. July 1919	*HACKETT, WILLIAM JENNENS, M.B.E.	25, Coquet Terrace, N. Heaton, Ne castle-on-Tyne.
6669	A. Oct. 1912 F. June 1914	*HADDEN, HARRY HAROLD ..	Public Trustee's Office, Lincoln's I Fields, W.C.
6670	A. Oct. 1912 F. July 1923	*HADFIELD, EDWARD	42, Deansgate, Manchester.
8792	Jan. 1922	HADLAND, GILBERT HENRY ..	67, George Street, Portman Sq., W
1670	A. Dec. 1889 F. Aug. 1893	*HADLEY, FRANK..	Lillybrook, Kemerton, Tewkesbu Glos.
4702	A. Oct. 1905 F. Dec. 1922	*HAGGER, ALBERT JAMES ..	10, Lowther Road, Bournemouth.
2523	A. Nov. 1892 F. Oct. 1896	*HAIGH, THOMAS FREDERICK ..	7, Friar Lane, Leicester.
6263	A. Oct. 1911 F. July 1921	*HAILEY, VICTOR	3, Minster Yard, Lincoln.
5684	A. Oct. 1909 F. June 1910	*HALE, HARRY BARNES	6, Queen Anne's Gate, Westminst S.W.1.
2263	Nov. 1891	HALE, RAYMOND HENRY	6, Queen Anne's Gate, S.W.
3687	A. Oct. 1900	HALL, AUGUSTUS WILLIAM ..	129, North Road, Belfast.
5818	F. Feb. 1910		
1179	A. May 1884 F. Oct. 1914	HALL, CHARLES PELL..	Park Farm Office, Woburn, Beds.
4329	Oct. 1904	HALL, DAVID	69, South Mall, Cork.
619	May 1881	HALL, ERNEST	56, Commercial Road, Portsmouth.
4703	A. Oct. 1905 F. Oct. 1910	*HALL, FRANCIS SAMUEL	8, Westmoreland Street, Dublin.
3098	A. Oct. 1896 F. June 1897	*HALL, JOHN HERBERT	1, Cooper Street, Manchester, a "Mill House," Mobberley, ne Knutsford, Cheshire.
3544	A. Oct. 1899 F. Oct. 1912	HALL, JOHN SEBASTIAN	Valuation Office, 113, Royal Aven Belfast.
5947	A. Oct. 1910 F. Dec. 1920	*HALL, RODERICK GLENDINNING	Maryfield, Eastdean, Eastbourne.
4430	A. Oct. 1904 F. Nov. 1912	*HALL, VERNON MANNING	38, Chancery Lane, W.C.2.
8793	Jan. 1922	HALL, WILLIAM JAMES	28, Victoria Street, Westminst S.W.1.
1295	A. Jan. 1886 F. June 1891	*§HALL, WILLIAM TIMOTHY (*Member of Council*)	College Hill, Shrewsbury.
1189	May 1884	HALLETT, WILLIAM BROWN ..	Essworthy, Yelverton, S. Devon.
1619	A. Apr. 1889 F. Dec. 1891	*HALL-JONES, FREDERICK	Parliament Mansions, Victoria S S.W., and 35, The Broadwa Ealing, W. (Middlesex).
6264	A. Oct. 1911 F. Ju'y 1920	*HAMILL, JOHN, B.A.	7, Amersham Hill, High Wycom Bucks.
6141	Oct. 1911	*HAMILTON, CHARLES	Laurieston, Falkirk, N.B.
2804	Sep. 1895	HAMILTON, EDWARD CHETWOOD, MAJOR	Woodstock Estate Offices, Inistioge Co. Kilkenny.

Date of Election and of Transfer.	FELLOWS.	Address.
Oct. 1920	HAMILTON, JAMES ALEXANDER FREDERICK HENRY, MAJOR	18, George Street, Edinburgh.
Feb. 1908	HAMILTON, JOHN COCHRANE ..	53, Hanover Street, Edinburgh.
Oct. 1912	*HAMILTON, THOMAS WELSH ..	Mansion House, Greenock.
A. Oct. 1907 F. July 1921	*†HAMLYN, ERIC HENLEY ..	5, Tavistock Road, Plymouth.
A. Oct. 1909 F. June 1919	*HAMLYN, JOHN ARTHUR	43, Manville Road, Tooting Bec, S.W.
A. Oct. 1912 F. Dec. 1922	*HAMMOND, EDMUND BLAND ..	66, St. Mary's Road, Manningham, Bradford.
Oct. 1910	*HAMMOND, FREDERIC SNOWDEN	Cripplegate Institute, Golden Lane, E.C.1.
A. Nov. 1892 F. Apr. 1922	HANKINSON, FRANCIS HENRY..	Richmond Chambers, Bournemouth.
Nov. 1891	HANSON, JOHN HENRY, M.I.C.E. (*Past-President*)	11, Cloth Hall Street, Huddersfield, Yorkshire.
Nov. 1922	*HARDCASTLE, DONALD ALDERSON	Estate Office, Pwllheli, N. Wales.
Dec. 1881	HARDCASTLE, FREDERICK HENRY APPLETON, A.R.I.B.A. (*Member of Council*)	197, Victoria Street, S.W.1.
A. Oct. 1911 F. Mar. 1920	*HARDIE, EBENEZER ROBERT ..	9, Sunbury Avenue, Newcastle-on-Tyne.
A. Oct. 1904 F. June 1912	*HARDING, CHARLES REGINALD, MAJOR	County Agricultural Office, County Hall Annexe, Kingston-on-Thames, and Leigh Mount, Cobham, Surrey.
A. Oct. 1909 F. July 1920	*HARDY, ERNEST CARLISLE ..	5, Gainsborough Road, Bedford Park, W.4 (Middlesex).
Apr. 1888	HARDY, RICHARD THOMAS ASH..	Land Agency and Estate Offices, Carter Street, Uttoxeter, Staffordshire.
Oct. 1920	*HARFIELD, ALFRED GEORGE	"Wellesley," Cavendish Avenue, Finchley, N.3 (Middlesex).
Oct. 1905	*HARGRAVE, WILLIAM HARRISON, A.M.I.C.E. (*Ireland*)	68, Grosvenor Square, Rathmines, Co. Dublin.
A. Oct. 1903 F. Oct. 1910	*HARLAND, HENRY CHAPMAN ..	Holly Nook, Burwood Park Road, Walton-on-Thames.
Mar. 1891	HARLE, JOHN JOSEPH..	Charfield Honor, Charfield, Gloucestershire.
A. Oct. 1907 F. Oct 1913	*HARMER, ERNEST FREDERICK..	20, Havelock Road, Southampton.
A. Feb. 1881 F. Oct. 1904	HARPER, SIR EDGAR JOSIAH (*Member of Council*)	Valuation Office, Lincoln's Inn Fields, W.C.2.
Feb. 1906	HARRIS, ARNOLD ELSMERE ..	117, Colmore Row, Birmingham.
A. Oct. 1901 F. Jan. 1922	HARRIS, DOUGLAS	7, John Street, Adelphi, W.C.2.
A. Oct. 1905 F. Apr. 1913	*HARRIS, EDWARD CHARLES ..	39, Bloomsbury Square, W.C.
Jan. 1922	HARRIS, JOHN HENRY	Royal Liver Buildings, Liverpool.
A. Oct. 1912 F. Sept. 1917	*HARRISON, FRANK FOX	51, Lower Hall Lane, Walsall, Staffs.

† Special Sanitary Science Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4125	Oct. 1903	*Harrison, Frederick	4, Belgrave Square, Nottingham.
2676	A. Oct. 1894 F. Apr. 1901	*§Harrison, George John Robertson	Valuer's Office, 20, Princes Square, Plymouth.
8795	Jan. 1922	Harrison, Leonard Charles	Garrick Chambers, 11, Garrick Street, W.C.2., and 27, Dellcot Close, Welwyn Garden City, Herts.
8208	A. Oct. 1920 F. July 1922	*Harrison, Percy	Town Hall, Middleton, Lancs.
3464	Feb. 1899	Hart, John	Cowie Mains, Stonehaven, Kincardineshire.
5463	A. Oct. 1908 F. Dec. 1911	*Hartfree, George Bertram..	Municipal Offices, Bridge Street, Godalming, Surrey.
2730	Mar. 1895	Hartley, Henry (*Member of Council*)	Bristowe Chambers, 8, Harrington Street, Liverpool.
2806	Sep. 1895	Harvey, James Geo. Morewood	Northern Bank Buildings, Londonderry.
6685	A. Oct. 1912 F. Dec. 1920	*Haskins, Frederick Cyril, Major	Kenmore, Thrale Road, Streatham Park, S.W.
1551	A. Jan. 1889 F. Oct. 1891	Haskins, William Albion ..	2, Tanfield Court, Temple, E.C.
1672	A. Dec. 1889 F. Aug. 1893	*Haslam, Dryland	Friar Street Chambers, Reading.
962	A. May 1883 F. Apr. 1889	*Hasluck, Lancelot Gerald ..	Green Hill Park, New Barnet, Herts.
7496	Oct. 1914	Hassam, Arthur	Newcastle, Staffs.
3380	A. Oct. 1898 F. Dec. 1922	*Hassett, Reginald Charles	1, Mitre Court Buildings, Temple, E.C.4.
8116	Oct. 1920	*Hathaway, Percy William ..	City Architect, Municipal Offices, Calcutta.
5696	Oct. 1909	Hatte, William Munday ..	32, Nassau Street, Dublin, and Charleville, Co. Cork.
2585	A. Oct. 1893 F. July 1922	Hawes, Frederick Kirk ..	The Elms, Lowthorpe, E. Yorks.
4435	A. Oct. 1904 F. July 1920	*Hawke, Roland Welstead	Horning, Norwich.
1182	Nov. 1891	Hawker, Harry Edwin	St. Peter's Chambers, Bournemouth, Hants.
4184	A. Oct. 1903 F. June 1912	*Hawkins, Edward Robinson..	The Old Rectory, Southacre, King's Lynn.
3691	A. Oct. 1900 F. July 1903	*Hawkins, Lancelot Goulder..	Downham Market, Norfolk.
4185	A. Oct. 1903 F. Oct. 1914	*Hay, Percy Gilbert	Totland, Clifton Road, Wallington, Surrey.
7990	Oct. 1919	*§Haydon, Reginald Ernest ..	21, Portman Street, Portman Square, W.1.
7191	A. Oct. 1913 F. Apr. 1920	*Haynes, Algernon Richard	Cooney Court, Brigg, Lincs.
6688	A. Oct. 1912 F. July 1920	*Hayward, Frank	39 and 40, Temple Street, Birmingham.
1968	A. Jan. 1891 F. Apr. 1894	*Hayward, Frederick George, Colonel	Market Square, Dover, Kent.

Date of Election and of Transfer.	FELLOWS.	Address.
Dec. 1881	HAYWARD, HENRY	Dover, Kent.
A. Oct. 1897 F. June 1900	*HAYWARD, THOMAS WILLIAM ALFRED, A.M.I.C.E., M.I.M.E..	38, Nightingale Lane, S.W.12.
A. Oct. 1912 F. June 1914	*HAYWOOD, CHARLES SPENCER..	Higher Mount, 240, Burnley Road, Accrington, Lancs.
A. Oct. 1912 F. Apr. 1919	*HEAD, HAROLD GEORGE	40, Baker Street, W.
A. Dec. 1889 F. May 1891	*§‖HEAD, JOHN GEORGE	40, Baker Street, W.
A. Oct. 1898 F. Apr. 1901	*HEALING, OSWALD JUDD	21, Queen Anne's Gate, Westminster, S.W.
Oct. 1904	HEARD, RICHARD..	Ballintubber, Carrigtwohill, Co. Cork.
A. Oct. 1898 F. Dec. 1903	*HEATH, HENRY CUBITT	3, Arundel Street, Strand, W.C.2.
A. Oct. 1902 F. May 1910	*HEATH, JOHN LIONEL..	137, Worple Road, Wimbledon, S.W.19 (Surrey).
Nov. 1918	*HEATHCOTE, ERNEST GRIGG, F.R.I.B.A.	38, Parliament Street, S.W.
Jan. 1882	HEATON, GEORGE HERBERT ..	Endon, near Stoke-upon-Trent, Staffs.
A. Dec. 1885 F. July 1922	HEBBLETHWAITE, CHARLES HENRY	41, Commercial Street, Halifax.
Apr. 1881	HEBBLETHWAITE, LOUIS	Custom House Buildings, Whitefriargate, Hull, Yorkshire.
A. Oct. 1901 F. Apr. 1920	*HEBDEN, FRANCIS RADCLIFFE	Valuers' Dept., Inland Revenue. 72, Clifden Road, Twickenham, Middlesex.
A. Oct. 1907 F. July 1923	*‹HEDLEY, THEODORE FENWICK	5, Northgate, Darlington.
A. June 1896 F. Sep. 1902	*HEMPHILL, CHARLES GEORGE CATHCART, MAJOR	11, Ely Place, Dublin.
A. Oct. 1913 N. Fov. 1922	*§HEMPSON, LEONARD AMIS ..	West Hill, Copdock, Ipswich.
Oct. 1910	*HENDRY, ROBERT	Southcroft, Thornliebank, nr. Glasgow.
A Feb. 1906 F. Dec. 1919	*HENNELL, CHARLES MURRAY ..	19, Russell Square, W.C.1., and 25, Brocks Wood Lane, Welwyn Garden City, Herts.
A. Oct. 1903 F. Nov. 1904	*HENNIKER, FREDERICK SIBERT..	Adelphi Terrace House, Adelphi, W.C.
A. Oct. 1904 F. July 1922	*HENSON, FREDERICK JASPER	5, Mount Street, W.
A. Oct. 1913 F. July 1920	*HEPPER, EDWARD RAYMOND	17A, East Parade, Leeds.
A. Oct. 1905 F. Dec. 1920	*HEPWORTH, ERNEST ALFRED	75, Princess Street, Manchester.
A. Oct. 1905 F. Oct. 1914	*HEPWORTH, HERBERT RAIKES, A.M.I.C.E.	County Surveyor's Office, Wakefield, Yorkshire.
De . 1884	HERBERT, ALLAN..	The Market Place, Andover, Hants.
June 1896	*HERN, SAMUEL	93, St. Mary Street, Cardiff, Glamorganshire.
Jan. 1888	HESKETT, WILLIAM JAMES.. ..	St. Andrew's Churchyard, Penrith, and Viaduct Chambers, Carlisle.
A. Oct. 1894 F. Dec. 1895	*HEWARD, ERNEST JAMES	Northwood Lodge, Manor Road, Wallington, Surrey.

‖ Sessional Papers Gold Medal. ‹ Special Rating Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
7497	Oct. 1914	HEWITT, CHARLES RICHARD ..	122, London Road, Derby.
7196	A. Oct. 1913 F. Jan. 1922	HEWITT, DONALD	Meadow Bank, Manchester Roa Burnley, Lancs.
4440	A. Oct. 1904 F. Mar. 1920	*HEWITT, FRANK	Karachi, The Drive, Coulsdon, Surr and 4, Lancaster Place, Strand, W
4715	A. Oct. 1905 F. Nov. 1913	*HEWITT, FRANK	R.D.C. Offices, Kiveton Park, ne Sheffield.
8796	Jan. 1922	HEWITT, FRANK	Rowsley, Bramhall, Cheshire.
7197	A. Oct. 1913 F. Oct. 1920	*HEWLITT, HORACE JAMES ..	High Road, Weald Village, Harro Middlesex.
5181	A. Oct. 1907 F. Nov. 1908	*HEWS, THOMAS GREENSLADE ..	The Laurels, Swansea, Glamorga shire.
2808	Sep. 1895	HEWSON, GEORGE RAWDON MAURICE, CAPT.	Dromahair, Co. Leitrim.
4107	[illegible] 1903	*HIBBERT, JOSEPH VICTOR.. ..	89, Thornlaw Road, West Norwoo S.E.27.
6700	A. Oct. 1912 F. Apr. 1921	*HIBBS, NORMAN HADLEY ..	c/o Messrs. Maggs & Maggs, Alt Chambers, Parkstone, Dorset.
948	A. May, 1883 F. Mar. 1922	HICKS, STANLEY (*Member of Council*)	Lincoln House, 300, High Holbor W.C.1.
2963	A. Oct. 1895 F. Apr. 1922	HICKS, WM. ROOKE, A.M.I.C.E.	Town Hall, Ealing, W. (Middlesex
2077	May 1891	HICKSON, STEPHEN WESTBY ..	95, Cannon Street, E.C.4.
1065	Jan. 1884	HIGGINS, FREDERIC	Alford, Lincolnshire.
1674	A. Dec. 1889 F. May 1891	*HIGGINS, GEORGE	12, Finchley Rd., St. John's Wood, N.
5183	A. Oct 1907 F. May 1909	*HILL, GEORGE FINLAY BURD..	Whitecraigs, Woodcote Avenue, W lington, Surrey.
1311	Mar. 1886	HILL, WILLIAM BURROUGH ..	93, Above Bar, Southampton, Hants
1303	A. Jan. 1886 F. Mar. 1890	HILLIARD, GEORGE EDWARD ..	Chelmsford.
3545	A. Oct. 1899 F. May 1905	*HINCHSLIFF, EDWARD ROBERT, A.M.I.C.E.	West Wood, Romilly Park, Bar Glamorganshire.
2079	May 1891	HINCKS, HENRY THORP	Keyham, near Leicester.
6469	Oct. 1912	HINDE, WILLIAM HENN, M.I.C.E.	Selston, Greystones, Co. Wicklow.
2273	Nov. 1891	HINDS, HENRY	57, Queen Street, Ramsgate, Kent.
5960	A. Oct. 1910 F. Sep. 1919	*HINE, ERNEST DARYLL	26-32, Abbey House, Victoria Stre S.W.1.
4967	A. Oct. 1906 F. July 1922	*HINE, STANLEY GORDON.. ..	c/o Superintending Valuer, 29, Mar Row, Bradford.
6273	A. Oct. 1911 F. July 1912	*HINES, ERNEST OWEN	340, Norwich Road, Ipswich.
6489	Oct. 1912	*HINES, HERBERT..	46, Pilgrim Street, Newcastle-on-Ty
8797	Jan. 1922	HINGSTON, FREDERIC WILLIAM	9, Old Square, Lincoln's Inn, W.C
3385	A. Oct. 1898 F. Oct. 1910	*HINKS, HENRY	110A, George Street, Croydon, Surre
4189	A. Oct. 1903 F. Oct. 1913	*HINTON, HERBERT ARTHUR ..	5, Crouch Hill, N. (Middlesex).
6708	A. Oct. 1912 F. Dec. 1919	*HINXMAN, ROLAND	Jewry Chambers, Winchester.

Date of Election and of Transfer	FELLOWS.	Address.
Apr. 1890	HIPPISLEY, WILLIAM JOHN ..	Northam House, Wells, Somerset.
A. Oct. 1903 F. Dec. 1910	*§HOARE, ARTHUR JOHN	District Valuer's Office, 28, High West Street, Dorchester.
Nov. 1922	HOBBS, FRANCIS	Estate Office, Monmouth.
Mar. 1890	HOBBS, JOHN	Estate Office, Ashford, Kent.
A. Oct. 1911 F. July 1922	*HOBBS, REGINALD ARTHUR ..	128, Colmore Row, Birmingham
A. Oct. 1911 F. Apr. 1920	*HOBBS, WILLIAM BEDO	The Home Farm, Sneeth, Kent.
Oct. 1914	*HOBDAY, WILLIAM HERBERT ..	
May 1891	HOBGEN, THOMAS CECIL	41, East Street, Chichester, Sussex.
Feb. 1883	HOBSON, FREDERICK WILLIAM ..	54/55, London Wall, E.C.2.
A. Oct. 1909 F. Oct. 1918	*HOBSON, REGINALD BERESFORD	54/55, London Wall, E.C.2.
Oct. 1909	HODGES, ARTHUR POOL	H.M. Office of Works, King Charles Street, S.W.
A. Oct. 1913 F. July 1920	*HODGKINSON, NORMAN JOSEPH	11, Benet Street, Cambridge.
A. Oct. 1896 F. July 1922	HODGSON, ARCHIBALD SANFORD	Westons Place, Warnham, Sussex.
Oct. 1904	HODGSON, HARRY MOORE.. ..	25, Bedford Row, W.C.
A. Oct. 1907 F. Dec. 1914	*HODSON, LAURENCE SCRIVENER	Opposite Great Northern Rly. Station Palmers Green, N. (Middlesex).
May 1891	HOGGARTH, ARTHUR	Kendal, Westmorland.
A. Oct. 1904 F. Apr. 1913	*HOGGARTH, LAWRENCE STEELE	St. Abbs, Kendal, Westmorland.
A. Oct. 1904 F. May 1910	*HOGWOOD, DOUGLAS CLARENCE	6, Queen Street, Ramsgate, Kent.
A. Oct. 1897 F. Nov. 1922	*HOLBROW, HERBERT OLIVER ..	18, Apsley Road, Clifton, Bristol.
A. Oct. 1907 F. July 1919	*HOLDFORTH, HAROLD, O.B.E. ..	17, Eldon Square, Newcastle-on-Tyne.
A. Oct. 1893 F. Feb. 1897	*HOLIDAY, PERCY CAVE	Bicester, Oxfordshire.
A. Feb. 1883 F. Nov. 1889	HOLLAND, THOMAS JAMES, JUN.	Station Road, Kennett, Cambs.
A. Oct. 1913 F. Apr. 1922	*HOLLIDAY, GEORGE	43-5, High Street, Croydon, Surrey.
A. Oct. 1911 F. Sep. 1919	*HOLLIS, ARTHUR	3, Park Place, Leeds.
A. Oct. 1912 F. Oct. 1920	*HOLMES, EDWARD MARSHALL, CAPT., M.C.	16, St. James Street, Sheffield.
A. Feb. 1889 F. May 1897	*HOMAN, HUBERT FRANKLIN ..	178, Eastgate, Rochester, Kent.
Oct. 1923	HOME, JOHN HEPBURNE MILNE	Irvine House, Canonbie, Dumfriesshire.
A. Oct. 1902 F. July 1913	*HOME, PHILIP WOOLLATT ..	63, Weston Park, Crouch End, N.8 (Middlesex).
A. Oct. 1904 F. Oct. 1914	*HONEY, ROBERT LLEWELLYN ..	Town Hall, Chatham.
Feb. 1890	HONEYBALL, FRED. THOMAS ..	Deal, Kent.
A. Oct. 1901 F. May 1903	*HOOD, HERBERT CHARLES.. ..	8, Union Court, Old Broad Street, E.C.
June 1896	*HOOD, WALTER RICHARD	8, Union Court, Old Broad Street, E.C.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4969	A. Oct. 1906 F. June 1919	*HOOKEY, REGINALD EDWARD ..	61, Streatham Hill, S.W.2.
3547	A. Oct. 1899 F. July 1901	*HOOLEY, ARTHUR JOHN	The College, All Saints', Derby.
3697	A. Oct. 1900 F. June 1908	*HOOPER, ALFRED EGBERT.. ..	10, High Street, Marlborough, Wiltshi
6437	C.F. Oct. '11 F. Nov. 1918	HOOPER, AUGUSTUS SHELTON ..	Thatched House Club, St. Jam Street, S.W.1.
1446	A. Jan. 1888 F. Jan. 1896	*HOOPER, CECIL HENRY	South Eastern Agricultural College, W Kent.
2964	A. Oct. 1895 F. Nov. 1899	*†HOOPER, EDGAR WILFRED ..	Haslemere, Beaufort Road, Reiga Surrey.
5189	A. Oct. 1907 F. Oct. 1920	*HOOPER, HAROLD THOMAS ..	16, Osborne Road, Thornton Hea Surrey.
8799	Jan. 1922	HOOSE, ELLIS LANCELEY ..	10, Dale Street, Liverpool.
6279	A. Oct. 1911 F. Dec. 1921	*HOOTON, LEONARD STANWELL..	10, Northgate Street, Warwick.
3847	A. Oct. 1901 F. June 1909	*HOPKINS, PERCY RAYNES.. ..	Valuation Offices, Ministry of Finar for N. Ireland, Belfast.
2010	Mar. 1891	HORNE, EDMUND	High Street, Hounslow, Middlesex.
794	Apr 1882	*HORNE, W. EDGAR (*Past-President*) ..	110, Mount Street, W.1.
5967	A. Oct. 1910 F. Sep. 1919	*HORNOR, BASSETT FARDELL, D.S.O.	Old Bank of England Court, Que Street, Norwich.
1391	May 1887	HORNOR, FRANCIS	Old Bank of England Court, Que Street, Norwich.
5370	Oct. 1908	HORSBRUGH, CHARLES EDWARD	Blairqutrosh, Blanefield, Glasgow.
8798	Jan. 1922	HORSBURGH, WILLIAM PETER	D. 16, Exchange Buildings, Liverpo
7003	Oct. 1913	*HORSER, COTTERELL WALTER..	65, Cleveland Road, South Woodfor N.E. (Essex).
1826	May 1890	HORSEY, FREDERICK JOHN TERRY	11, Billiter Square, E.C.
1761	Mar. 1890	HORSFALL, RICHARD EDGAR ..	22A, Commercial St., Halifax, Yorksh
3848	A. Oct. 1901 F. Nov. 1905	*‡§HOSEGOOD, ANDREW WEBBER..	Williton, Somerset.
9016	A. Oct. 1922 F. Dec. 1923	*HOSKING, WILFRID	Central Chambers, Princess Squar Plymouth.
4722	A. Oct. 1905 F. Apr. 1911	*HOUGHTON, JOHN GOLDSMITH ..	34, Queen's Road, Richmond H Surrey.
1587	Feb. 1889	HOVENDEN, HENRY EDWARD ..	Silverbirch, Inglemere Road, For Hill, S.E.23.
5190	A. Oct. 1907 F. Oct. 1920	*HOVENDEN, JACK REGINALD	12, Stonehills Mansions, Streath Hill, S.W.16.
4004	A. Oct. 1902 F. Nov. 1912	*HOW, HERBERT	41, Heath Street, Hampstead, N.
8800	Jan. 1922	HOWARD, ALFRED	90, Victoria Street, S.W.1.
4304	A. Feb. 1904 F. June 1919	*HOWARD, EDMUND	77, Chancery Lane, W.C.2.
6717	A. Oct. 1912 F. Oct. 1920	*HOWE, CLARENCE SHAW THORNTON	21, Bond Street, Leeds.

† Special Sanitary Science Diploma. ‡ Special Forestry Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1912 F. June 1919	*Howe, Thomas Thornton ..	Olive Mount, Bramley Hill, Kirkstall, Yorks.
Oct. 1917	*Howes, Francis Tippett ..	Parkstone, Grantham Road, Kingswood, nr. Bristol.
Oct. 1911	*Howes, William Trotman, M.B.E.	43, Lansdowne Road, Bedford.
A. Oct. 1897 F. Nov. 1906	*Howland, Arthur Frank ..	6, Old Jewry, E.C.2.
Oct. 1909	Huggard, William	Clounalour, Tralee, Co. Kerry.
A. Oct. 1904 F. Oct. 1911	*Huggins, Ernest George ..	8, Union Court, Old Broad Street, E.C.2.
A. Oct. 1913 F. Apr. 1922	*Hughes, Ernest William ..	Civil Engineer-in-Chief's Dept., Admiralty, S.W.1.
Oct. 1912	Hughes, George, Major	H.M. Dockyard, Simonstown, Cape Province, S. Africa.
A. Oct. 1915 F. July 1923	*Hughes, George William ..	The Valuation Office, Inland Revenue, 52, Bridge Street, Walsall.
Oct. 1921	Hughes, Henry, O.B.E. ..	Chief Surveyor, Air Ministry, Kingsway, W.C.2.
A. Nov. 1918 F. Oct. 1920	*§Hughes, Thomas Harold, Capt., F.R.G.S.	27, Ashton Terrace, Hillhead, Glasgow
A. Oct. 1913 F. July 1921	*Hughes, William Edwyn ..	Valuation Office, 7, King Street, Carmarthen.
Mar. 1889	Hugman, Charles Eady	9, Adam Street, Adelphi, W.C.
A. Oct. 1911 F. Sept. 1917	*Hume, John	30, Eastfield, Joppa, Edinburgh.
May 1891	Humphreys, John Henry ..	Castle House, Usk, Monmouthshire.
A. Oct. 1907 F. Nov. 1910	*Hunnings, Arthur	112, Baxter Avenue, Southend-on-Sea.
Oct. 1906	*Hunt, Frank William, C.V.O. (*Member of Council*)	Spring Gardens, Charing Cross, S.W.
A. Oct. 1899 F. Dec. 1902	*Hunt, George Whitaker ..	Estate Office, Holme Lacy, Herefordshire
A. Oct. 1910 F. Apr. 1919	*Hunt, Herbert Charles ..	33, Broom Water, Teddington, Middlesex.
Oct. 1911	*Hunt, John, F.R.I.B.A.	36, Upper Berkeley Street, W.1, and Ryecroft, Park Road, Watford, Herts.
Oct. 1914	*Hunter, James Douglas.. ..	39, Great Marlborough Street, W.
Jan. 1922	Hunter, Samuel Coyne ..	2, Wellington Place, Belfast.
Oct. 1912	Huntley, Frederick Arthur, Lic.R.I.B.A.	c/o Miss V. Huntley, B.A., at Mrs. Cates, Glenacre, Cunmore Road, Sutton, Surrey.
Nov. 1891	Hurrell, John Weymouth ..	17, Stretford Road, Manchester.
A. Dec. 1883 F. Jan. 1891	Huskinson, Thomas William..	Epperstone Manor, Nottingham.
Oct. 1908	Huson, Ernest William.. ..	Civil Engineer-in-Chief's Dept., Admiralty, S.W.1.
A. Oct. 1912 F. Apr. 1916	*Hussey, Sydney	99, Queens Road, Ashford, Kent.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5699	A. Oct. 1906 F. Jan. 1911	*Hutchings, William Arthur..	Durley Cottage, Sutton Coldfield.
8802	Jan. 1922	Hutchins, George	Grosvenor Buildings, Newgate S Chester.
5610	Oct. 1909	*Hutchins, James Bushell ..	11, Lord Street, Liverpool.
6124	Oct. 1911	Hutchison, William Henry ..	General Valuation Office, 6, Ely Pla Dublin.
5971	A. Oct. 1910 F. Mar. 1920	*Ibbetson, Thomas Henry ..	Valuation Office, Lincoln's Inn Fiel W.C.
6288	A. Oct. 1911 F. Apr. 1923	*Ince, Alfred Ethelbert ..	48, Bertrand Road, Bolton.
8928	Nov. 1922	Ingham, Arthur George ..	H.M. Board of Agriculture for Sc land, York Buildings, Queen Stre Edinburgh.
8369	Oct. 1921	Inglis, Robert	Old Blair, Blair Atholl, Perthshi
3853	A. Oct. 1901 F. Dec. 1910	*Ingram, Cecil Walter	Messrs. Knight, Frank & Rutley, 10 Princes Street, Edinburgh.
4195	A. Oct. 1903 F. Apr. 1911	*Ingram, James Francis	Valuation Office, Inland Reven West St. Mary's Gate, Grimsl Lincolnshire.
305	A. Feb. 1873 F. Jan. 1882	Ingram, Walter Feilde	2, St. Andrew's Place, Lewes, Sussex
2291	Nov. 1891	Ireland, Edwin Benjamin ..	Bank Buildings, Norwich.
8803	Jan. 1922	Jackson, Harry	23, Brazennose Street, Manchest
7552	Feb. 1915	Jackson, John Harold	18, Booth Street, Manchester.
4611	Oct 1905	*Jackson, Robert	District Commissioners' Office, Mi try of Agriculture, Prudential Bu ings, Dale Street, Liverpool.
1404	Dec. 1887	Jackson, William Tress.. ..	117, High Street, Sittingbourne, Ke
5381	Oct. 1908	*Jacob, Louis, a.r.i.b.a.	39, Bloomsbury Square, W.C.
2293	Nov. 1891	James, Christian Hugh	Rudchester, Wylam-on-Tyne, Northu berland.
4853	Feb. 1906	James, Frederick John, m.b.e.	1, Rusham Road, Wandsworth Comm S.W.
4731	A. Oct. 1905 F. Nov. 1909	*James, George Ernest	Superintending Valuer's Office, Ma lett House, Bow Street, W.C.2
4603	Oct. 1905	James, Merton John	H.M. Dockyard, Malta.
2820	Sep. 1895	Jameson, Robt. William.. ..	Ardanoir, Greystones, Co. Wickl
5476	A. Oct. 1908 F. Oct. 1913	*Jaques, Thomas Arnold ..	P.W.D., Union Buildings, Pretoria

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1894 F. June 1899	*§JARMAIN, WILLIAM	Alandale, Hatch End, Middlesex.
A. Nov. 1892 F. Oct. 1898	*JARMAN, FRANK WILMOT	19, Wharfedale Gardens, Thornton Heath, Surrey.
A. Oct. 1907 F. Oct. 1914	JARVIS, LAWRENCE ALFRED ..	111, Jermyn Street, St. James', S.W.1.
Jan. 1886	JEANS, MARK	Marlborough, Wilts.
Oct. 1910	*JEFFERIES, HENRY CHARLES, O.B.E.	8, Madrid Road, Barnes, S.W. (Surrey).
A. Oct. 1902 F. June 1914	*JEFFERY, FRANCIS WILSON ..	Star Castle, St. Mary's, Scilly (Cornwall).
A. Oct. 1893 F. Nov. 1895	*JEFFREE, SYDNEY	82, Harleyford Road, Vauxhall.
A. Oct. 1895 F. May 1897	*JENKIN, ARTHUR PEARSE	Trewirgie, Redruth, Cornwall.
Oct. 1911	*JENKINS, ALBERT DAVID	Surveyor's Office, Municipal Buildings, Liverpool.
A. Oct. 1910 F. June 1914	*JENKINS, CHARLES HERBERT BLEWITT	3, Orchard Street, Neath, Glam.
A. Oct. 1910 F. Oct. 1914	*JENKINS, HAROLD JOHN	4, College Street, Swansea.
A. Oct. 1897 F. Dec. 1903	*JENKINS, RICHARD JAMES.. ..	Town Hall, Portsmouth.
Oct. 1921	*JENKINS, TREVELLIAN PHILLIPS, A.R.I.B.A., M.S.A.	St. Elmo, Uplands, Swansea.
A. Oct. 1904 F. Apr. 1920	*JENKINS, WILLIAM LIONEL ..	Town Hall, Newport, Mon.
A. Feb. 1897 F. Mar. 1899	*JENKINSON, WILLIAM ERIC LEIGH	15, New Bridge Street, Ludgate Circus, E.C.
Feb. 1882	JENKINSON, WILLIAM WILBERFORCE	122, Palace Road, S.W.2.
A. Oct. 1894 F. Nov. 1897	*JENNER, WILLIAM	6, Gluman Gate, Chesterfield, Derbyshire.
A. Oct. 1910 F. Dec. 1921	*JENNINGS, DANIEL STRACHAN ..	98, Grove Vale, East Dulwich, S.E.22.
A. June 1896 F. June 1900	*JENNINGS, FITZ-LAURENCE PERCIVAL DUDLEY	137, Park Road, N.W.
Mar. 1891	JENNINGS, WILLIAM JOSEPH ..	4, St. Margaret's Street, Canterbury.
A. Oct. 1905 F. June 1919	*§JESSUP, DAVID POOLEY	County Chambers, Northampton.
A. Oct. 1911 F. Mar. 1920	*§JEWELL, ARTHUR EDWARD	12, Great James Street, Bedford Row, W.C.
Jan. 1922	JEYES, CHARLES RIX	70, Dukes Avenue, Muswell Hill, N.10 (Middlesex).
A. Oct. 1906 F. Mar. 1920	*JOHNSON, ARTHUR WILLIAM ..	District Valuer's Office, 23, Victoria Avenue Harrogate.
A. Nov. 1892 F. Nov. 1896	*JOHNSON, BERNARD MARR (*Member of Council*)	5, Great College Street, Westminster Abbey, S.W.
A. Oct. 1907 F. Oct. 1914	JOHNSON, CLIFFORD NOEL.. ..	19, Priory Street, Dudley, Worcestershire.
A. Oct. 1897 F. June 1910	*JOHNSON, HARRY LABRON	22, Elleray Park Road, Liscard, Cheshire.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
963	A. May 1883 F. Jan. 1885	*JOHNSON, HENRY	34 and 36, Gresham Street, E.C.
4847	Feb. 1906	JOHNSON, HENRY JAMES	21, Queen Anne's Gate, S.W.
3392	A. Oct. 1898 F. July 1903	*JOHNSTON, REGINALD	133-136, High Holborn, W.C.
6734	A. Oct. 1912 F. July 1917	*JOHNSTON, ROBERT WILLIAM, MAJOR	211, Union Street, Aberdeen.
4011	A. Oct. 1902 F. Jan. 1904	*JOHNSTONE, AUGUSTUS FREDERIC	39, Merville Avenue, Kingstown, Co Dublin.
3466	Feb. 1899	JOHNSTONE, JAMES	Mereworth, Prestwick, Ayreshire.
6145	Oct. 1911	*JOHNSTONE, JOHN THOMAS ..	59, Woodbourne Avenue, Streathar S.W.16.
3702	A. Oct. 1900 F. Feb. 1908	*JONAS, HAROLD DRIVER, O.B.E.	7, Charles Street, St. James' Squar S.W.1.
1463	A. Feb. 1888 F. May 1891	*§JONAS, HARRY MARSHALL, C.B.E.	8, Suffolk Street, Pall Mall East, S.W and 27, Market Hill, Cambridge.
195	A. Apr. 1869 F. Feb. 1878	JONAS, HENRY	7, Charles Street, St. James' Squar S.W.1.
1375	A. Feb. 1882 F Apr 192	JONAS, SAMUEL MARSHALL ..	27, Market Hill, Cambridge, ar 8, Suffolk Street, Pall Mall Eas S.W.1.
4013	A. Oct. 1902 F. Nov. 1905	*JONES, ARTHUR ERNEST	Gladstone Villa, Victoria Road, Nev castle, Staffs.
5479	A. Oct. 1908 F. July 1922	*JONES, DAN IVOR	6, Gluman Gate, Chesterfield.
7570	Oct. 1915	*JONES, DAVID JOHN	Hill Crest, Amersham Hill, Hig Wycombe.
7498	Oct. 1914	JONES, EDWARD LLOYD	Plas-Isa, Rhosymedre, Ruabon, De bighshire.
1703	Jan. 1890	JONES, FRANCIS WILLIAM	2, Frewin Court, Corn Market St., Oxfo
5200	A. Oct. 1907 F. Nov. 1913	*JONES, FRANK CECIL	Frewin Court, Corn Market Stre Oxford.
964	A. May 1883 F. Nov. 1886	*†JONES, HENRY ARTHUR	3 and 4, Lincoln's Inn Fields, W.C.
3393	A. Oct. 1898 F. Feb. 1908	*JONES, JOHN ARTHUR..	C.E. in C.'s Dept., H.M. Dockyar Rosyth.
4736	A. Oct. 1905 F. Oct. 1907	*JONES, JOHN FOX	13, John Street, Bedford Row, W.C.
4014	A. Oct. 1902 F. Nov. 1909	*JONES, JOHN RICE	23, Skinner Street, Newport, Mo
5480	A. Oct. 1908 F. Dec. 1919	*JONES, MONTAGUE WILLIAM ..	Frewin Court, Corn Market Stree Oxford.
3394	A. Oct. 1898 F. Nov. 1912	*JONES, PERCY EVERLEY	5, Little George Street, Westminste S.W.
673	A. Dec. 1881 F. May 1891	JONES, THOMAS, M.I.C.E.	5, Little George Street, Westminster, S.
5481	A. Oct. 190 F. June 1911	*JONES, URWICK MEREDITH ..	Warwick Chambers, Corporation Stre Birmingham.
7734	Nov. 1918	JONES, WILLIAM CAMPBELL ..	Skinners Hall, Dowgate Hill, E.C.

† Special Sanitary Science Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
Mar. 1891	JONES, WILLIAM EDWARD.. ..	Anglesey Estate Office, Graig, Llanfairpwll, Anglesey.
Nov. 1891	JOSELAND, CHARLES	Bank Buildings, Kidderminster, Worcestershire.
Mar. 1888	JOSEPH, DELISSA, F.R.I.B.A. ..	2, Basinghall Avenue, E.C.2.
Oct. 1921	JOSLING, ERNEST GEORGE ARTHUR	9, Southampton Street, W.C.1.
Nov. 1916	*§JUKES, LOUIS WILLIAM	12, Landguard Road, Southampton.
A. Oct. 1902 F. Nov. 1912	*†JULL, ROBERT CHARLES.. ..	1, Cumberland Gardens, Tunbridge Wells, Kent.
A. Oct. 1900 F. July 1912	*KAYE, HERBERT..	Valuation Office, Inland Revenue, Prudential Buildings, Westgate, Wakefield, Yorkshire.
Nov. 1922	*KAYE, STEWART	14, Hill Street, Edinburgh.
A. Oct. 1904 F. Nov. 1922	*KEAY, RALEIGH WILLIAM McLAREN	5, Lancaster Place, Wellington Street, Strand, W.C.2.
A. Oct. 1895 F. July 1917	*KEAY, WILLIAM	6, Millstone Lane, Leicester.
A. Oct. 1894 F. July 1921	*KEEP, WILLIAM HENRY ..	W.D. Land Agents' Office, Milldam Barracks, Portsea, Hants.
Feb. 1901	*KELLY, JOHN GEORGE	Roseneath, Totley Rise, Sheffield.
A. Oct. 1906 F. Nov. 908	*KELLY, SYDNEY APPLETON ..	24, The Albany, Oldhall Street, Liverpool.
A. Oct. 1895 F. Apr. 1922	KEMSLEY, WILLIAM HUGH ..	Broad Street House, New Broad Street, E.C., and Woodford Green, Essex.
A. Oct. 1911 F. Feb. 1919	*KENNARD, LAURENCE..	31, John Street, Bedford Row, W.C.1.
Oct. 1909	KENNEDY, MICHAEL A.	Rye Hill House, Monivea, Co. Galway.
A. Oct. 1908 F. Sep. 1919	*KENNEDY, PERCY EDWARD ..	16, Valley Bridge Parade, Scarborough.
Nov. 1918	*KENNEDY, RICHARD PERCIVAL	193, Ladbroke Grove, W.10.
May 1884	KENT, GEORGE EDWARD	"Normanhurst," Cavendish Road, Southsea, Hants.
Oct. 1913	*KENT, GEORGE NATHANIEL ..	521, Barking Road, Plaistow, E.
Nov. 1891	KENWRICK, GEORGE	Woodditton, near Newmarket.
A. Oct. 1897 F. Apl. 1901	*§KERR, JOHN MURRAY	Inland Revenue, London City & Midland Bank Chambers, High Street, Lincoln.
Nov. 1916	KERR, J. SCOTT	11, Courtfield Gardens, S.W.5.
Oct. 1898	*KERRUISH, WILLIAM MALTBY ..	21, Athol Street, Douglas, Isle of Man.
Apr. 1889	KERSEY, ALEX. H., F.R.I.B.A. ..	21, Finsbury Pavement, E.C.

† Special Sanitary Science Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
9138	Oct. 1923	KERSHAW, GEORGE	Grosvenor Chambers, 16, Deansgat Manchester.
7991	Oct. 1919	*KERSLAKE, THOMAS HENRY ..	Estate Office, Cockington, Torquay.
1850	Nov. 1890	KIDWELL, JOHN	St. Margaret's Bank, Rochester, Kent
2689	A. Oct. 1894 F. Sep. 1903	*KILLICK, ANTHONY EDWARD ..	10, Eldon Square, Newcastle-on Tyne.
7005	Oct. 1913	*KING, FRANCIS HOLDEN	Estate Office, Foxholes, Rochdale, Lancs.
8805	Jan. 1922	KING, HARRY E.	3, New Court, Carey Street, W.C.2.
8806	Jan. 1922	KINGSFORD, HAMILTON BRUCE	25, St. Aldate Street, Gloucester.
3493	A. Feb. 1899 F. Sep. 1903	*KIRBY, FRANCIS JOSEPH	5, Cook Street, Liverpool.
3021	A. Jan. 1896 F. Nov. 1900	*KIRK, JOHN WRIGHT	30, Stockwell Road, S.W.
5382	Oct. 1908	*¶KIRKBY, REGINALD GUY, F.R.I.B.A.	17, Rosebery Crescent, Jesmond. Newcastle-on-Tyne.
3298	Feb. 1898	KIRKWOOD, CHARLES	61, West Regent Street, Glasgow.
5710	A. Oct. 1909 F. Oct. 1920	*KIRKWOOD, NORMAN FRASER	Oriel Chambers, Water Street, Liverpool.
5600	Oct. 1909	KIRWAN, DENIS BIRMINGHAM ..	Dalgin, Tuam, Co. Galway.
5711	A. Oct. 1909 F. Apr. 1920	*KISCH, AUGUSTUS MAITLAND ..	41, Bedford Row, W.C.
4982	A Apr. 1906 F. Oct. 1914	*KISLINGBURY, ARTHUR VERNON	4, Verulam Buildings, Gray's Inn W.C.1.
3707	A. Oct. 1900 F. Dec. 1919	*KNIBB, FREDERICK CHARLES, M.B.E.	112, West Side, Clapham Common, S.W
2487	Feb. 1892	KNIGHT, EDGAR WALSH	94, Bow Road, E.
4301	A. Oct. 1903 F. Oct. 1907	*KNIGHT, FREDERICK WILLIAM ..	38, Parliament Street, S.W.
3530	A. Nov. 1892 F. Nov. 1901	*KNIGHT, GEORGE EDWARD ..	3, Lincoln's Inn Fields, W.C.
3063	Oct. 1896	KNIGHT, HENRY ST. JOHN, MAJOR	"Kaloni," Farnborough Road, Farnborough, Hants.
3556	A. Oct. 1899 F. Sep. 1904	*§KNOWLES, GEORGE POTTER, M.B.E., B.SC. (*Lond.*), A.M.I.C.E.	39, Victoria Street, Westminster, S.W
853	A. Dec. 1882 F. Dec. 1889	KNOWLES, HENRY	Egerton House, The Spa, Gloucester
5611	Oct. 1909	*KNOWLES, LESLIE S.	3, Tudor Street, Blackfriars, E.C.4.
5208	A. Oct. 1907 F. Mar. 1920	*KNUBLEY, MILES PONSONBY ..	c/o Superintending Valuer, 51, Queen Street, Exeter.
4202	A. Oct. 1903 C.F. Oct. '19 F. Jan. 1922	*LABDON, HERBERT GEORGE ..	The Rhodes Building, St. George's Street, Cape Town.
8370	Oct. 1921	LAIDLER, GEORGE	Strabane, Brodick, Isle of Arran.
5303	A. Oct. 1911 F. Sep. 1919	*LAIRD, DANIEL MACLELLAND ..	15, Tinto Road, Newlands, Glasgow
7604	A. Oct. 1915 F. Dec. 1919	*LAKE, BERNARD	10, St. Alkmunds Square, Shrewsbury

¶ Special Rating Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1895 F. June 1899	*Lake, Cuthbert..	9, Stone Buildings, Lincoln's Inn, W.C. and Hatch End, Middlesex.
A. Oct. 1901 F. May 1910	*Lake, Ralph Julian	Heage House, Crouch Hill, N. (Middlesex).
A. Oct. 1895 F. Oct. 1896	*Lakin-Smith, Ernest	Colmore House, 21, Waterloo Street, Birmingham.
A. Oct. 1902 F. May 1910	*Lambert, Arthur John	36, Hindes Road, Harrow.
A. Oct. 1907 F. Dec. 1918	*Lambert, Arthur Peploe ..	11, Dowgate Hill, Cannon Street, E.C.4.
A. Oct. 1912 F. Nov. 1913	*Lambert, Edwin Emmanuel ..	12, Adderley Grove, Clapham Common, S.W.
A. Oct. 1907 F. Oct. 1914	*Lambert, Edwin Hans	Merriecote, Brenchley, Kent.
A. Oct. 1903 F. Oct. 1914	*Lambert, George Arrow.. ..	Victoria Chambers, Reading.
A. Jan. 1889 F. Dec. 1891	*Lambert, Godfrey Charles ..	8, Henrietta Street, Covent Garden, W.C.
A. Oct. 1909 F. Dec. 1921	*Lamond, John, A.M.I.C.E. ..	Borough Engineer and Surveyors' Office, Town Hall, Catford, S.E.
A. Oct. 1893 F. Oct. 1899	*Lancaster, John Roy	Crown Court, Cheapside, E.C.
A. Oct. 1905 F. Apl. 1915	*Lancaster, Sidney James ..	Rates Office, Edmund Street, Birmingham.
A. Oct. 1908 F. Jan. 1912	*Lander, Sidney Montem, M.B.E.	Valuer's Office, 3 Sansome Place, Worcester.
May 1891	Lane, Ernest Lacan..	81, Old Christchurch Rd., Bournemouth, Hants.
A. Oct. 1903 F. Apr. 1913	*Lang, Augustus Bernard Dashwood	3, King Street, Cheapside, E.C.
A. Oct. 1920 F. Dec. 1923	*Langdon, Horace William ..	New Court Chambers, 57 & 58, Chancery Lane, W.C.2.
Oct. 1913	*Langford, Edward Thomas ..	Post Office Buildings, Kidderminster, Worcestershire.
A. Oct. 1901 F. May 1905	*Langridge, Walter Frederick	Tunbridge Wells, Kent, and 28, Queen Street, Cheapside, E.C.
A. Oct. 1900 F. June 1915	*Lanham, Laurence, O.B.E. ..	6 and 7, Broad Street, Oxford.
A. Jan. 1891 F. Dec. 1922	Lansdown, George Arthur, F.R.I.B.A.	9, Regent Street, Waterloo Place, S.W
Jan. 1922	Lansdown, Harold	9, Regent Street, S.W.
A. Oct. 1899 F. Oct. 1903	*Latham, Albert Tummons ..	21, Bedford Row, W.C.1.
Jan. 1922	Latter, Charles William ..	43, Doughty Street, W.C.1.
Mar. 1891	Latter, Hugh Robinson	The Town Hall, Bromley, Kent.
A. Feb. 1914 F. Mar. 1920	*Laurance, John Bidwell ..	Bank Chambers, Whitlesey, Cambs.
Nov. 1916	*Law, William Heelis	51, North John Street, Liverpool.
Jan. 1922	Law, William Miller	51, North John Street, Liverpool.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
3709	A. Oct. 1900 F. July 1922	*LAWLEY, GEORGE FRANK ..	38, Willoughby Lane, Tottenhan N. (Middlesex).
4741	A. Oct. 1905 F. Apl. 1915	*LAWRANCE, JOHN, JUN.	33, Pattison Road, N.W.2.
2091	May 1891	LAWRANCE, WALTER (*Member of Council*)	13, Hart Street, Bloomsbury Squar W.C.
4021	A. Oct. 1902 F. Dec. 1910	*LAWRENCE, CHARLES PHILLIPS..	Carlton House, Botcherby, Carlisle.
3890	A. Oct. 1901 F. Oct. 1907	*LAWRENCE, JOHN, N.D.A.	Messrs. Crawter, Cheshunt, Hertfordshi
1019	A. Dec. 1883 F. Nov. 1889	LAWRENCE, WILLIAM ROBERT ..	57 and 58, Chancery Lane, W.C.
3397	A. Oct. 1888 F. Nov. 1907	*LEAKE, ROBERT	150, Southampton Row, W.C.1.
4206	A. Oct. 1903 F. Sep. 1904	*LEANING, AUBREY RUPERT SIDNEY	Kingsgate House, 115, High Holbor W.C.
1970	A. Jan. 1891 F. Mar. 1895	*LEANING, HENRY JOHN	28, John Street, Bedford Row, W.C.
2690	A. Oct. 1894 F. Nov. 1895	*LEANING, WILLIAM ARTHUR ..	28, John Street, Bedford Row, W.C.
2645	Oct. 1894	*LEATHER, GEORGE HERBERT ..	25, Hawke Road, Upper Norwoo S.E.19.
3244	A. Oct. 1897 F. Oct. 1900	*LEATHER, WILLIAM BEAUMONT..	21, Burton Crescent, Headingle Leeds.
5574	A. Oct. 1910 F. Apr. 1916	*LEE, ALEXANDER VICTOR	143, High Street, Guildford.
4990	A. Oct. 1906 F. Feb. 1919	*LEE, JOHN PINCKE	Courtlands, Peppard, Henley-on-Thames, Oxon.
1354	A. Jan. 1887 F. Nov. 1893	*LEE, JOHN WILFRID	Town Hall, Haverstock Hill, N.W.
3859	A. Oct. 1901 F. Feb. 1904	*LEE-NORMAN, ALEXANDER HENRY	Corballis, Ardee, Co. Louth.
7553	Feb. 1915	LEECH, ARTHUR HENRY	11, King Street, Wigan, Lancs.
2927	Oct. 1895	*LEEDER, ERNEST HOLTHAM (*Member of Council*)	46, Waterloo Street, Swansea, Glamo ganshire.
3860	A. Oct. 1901 F. Nov. 1906	*LEES, FRANK ARTHUR..	71, Mildred Avenue, Watford.
4604	Oct. 1905	LEEST, FREDERICK CHARLES ..	Civil Engineer-in-Chief's Departmer Admiralty, S.W.
4332	Oct. 1904	LE FANU, VICTOR CHARLES ..	Estate Office, Bray, Co. Wicklow.
7260	A. Oct. 1913 F. July 1917	*LEITH, THOMAS	3, King's Place, Perth.
5717 8810	A. Oct. 1909 F. Jan. 1922	LEONARD, EDWARD	Ministry of Health, Whitehall, S.W.
717	Jan. 1882	LEPPER, JOHN HARRAGE	10, Market Square, Bromley, Kent.
298	A. Jan. 1873 F. Apr. 1882	LERMIT, ALFRED WILLIAM.. ..	Pontian Besar, Cucob, via Singapor F.M.S.
3033	A. Feb. 1902 F. May 1905	*LESLIE, HENRY GEORGE, A.R.I.B.A.	8, Dartmouth Street, Queen Anne Gate, S.W.1.
8811	Jan. 1922	LEWIS, GEORGE	33, Newhall Street, Birmingham.
7500	Oct. 1914	LEWIS, GEORGE ALFRED, LIEUT.-COL., M.A. (*Cantab.*), C.M.G. ..	Midland Road, Derby.
7571	Oct. 1915	*LEWIS, PENRY ARTHUR	Government Buildings, Bangor, Wales.

Date of Election and of Transfer.	FELLOWS.	Address.
Oct. 1914	LEWIS, PERCY WILLIAM ..	Park Leys, Duffield, Derby, and Midland Road, Derby.
A. Oct. 1912 F. Apr. 1921	*LIDDLE, LAURENCE HENRY ..	General Valuation Office, 6, Ely Place Dublin.
Feb. 1908	LIGHTBODY, FORREST HAY ..	53, Queen Street, Edinburgh.
A. Oct. 1908 F. July 1920	*LIGHTBOWN, ALFRED STUART	General Valuation Office, 6, Ely Place, Dublin.
Feb. 1883	LIGHTFOOT, HENRY LE BLANC, M.A. (*Oxon*)	Corpus Christi College, Oxford.
Dec. 1889	LINAKER, CHARLES EDWARD ..	Frodsham, Cheshire.
Oct. 1921	*LINDLEY, JOHN	36, Alexandra Road South, Manchester.
A. Oct. 1911 F. Apr. 1922	*LINE, FREDERICK JAMES	Valuation Office, 54, Hamlet Court Road, Westcliff-on-Sea.
Jan. 1922	LING, FREDERICK JAMES.. ..	Architectural Section, Public Works Office, Hong Kong.
A. Oct. 1913 F. Oct. 1920	*LINGARD, WILLIAM	15, Cooper Street, Manchester.
A. Oct. 1908 F. Oct. 1914	*§LINNEY, JOSEPH FREDERIC ..	12, Tib Lane, Cross Street, Manchester.
A. Oct. 1900 F. May 1909	*LISNEY, HARRY	The General Valuation Office, 6, Ely Place, Dublin.
Dec. 1887	LISTER-KAYE, CHARLES WILKINSON	Kingston House, North Carlton, Worksop, Notts.
A. Nov. 1892 F. Dec. 1923	LITTLE, HENRY	Eldon Street House, E.C.2.
Nov. 1891	LITTLE, WILLIAM..	Hutton Hall, Penrith, Cumberland.
A. Oct. 1903 F. Jan. 1909	*LIVING, ROBERT	Clooneavin, Lynton, N. Devon.
A. Oct. 1904 F. Apr. 1911	*LLEWELLYN, ARTHUR HENRY ..	Valuation Department, Castle House, Trowbridge, Wilts.
Nov. 1916	LLEWELLYN, GEORGE ERNEST ..	Bryngarw, Aberkenfig, Glamorganshire.
A. Oct. 1878 F. Dec. 1901	*§LLOYD, DONALD	Messrs. Ellen and Son, Andover, Hants.
A. Oct. 1906 F. Dec. 1922	*LOADES, FRANK CHARLES ..	Borough Engineer's Office, Town Hall, Southport, Lancs.
A. Oct. 1908 F. Apr. 1914	*LOCK, CECIL WILLIAM BEST ..	9, Station Road, Watford, Herts.
A. Oct. 1912 F. June 1914	*LODGE, THOMAS ARTHUR	Rythe Lawn, Thames Ditton, Surrey.
A. Oct. 1899 F. Nov. 1903	*LOFTHOUSE, ALBERT WILSON ..	Woodcroft, Marton, S.O., and 129, Albert Road, Middlesbrough, Yorkshire.
Jan. 1922	LOFTING, JOHN BRIEN	44, Bedford Row, W.C.1.
Jan. 1922	LOFTING, JOHN HENRY	2, Peking Road, Shanghai, China.
A. May 1884 F. June 1891	LOFTS, HENRY FAIRLAM	130, Mount St., Grosvenor Square, W.
Feb. 1899	LOGAN, JAMES	Coltness, Wishaw, Lanarkshire.
Oct. 1910	LONG, LELAND	Civil Engineer's Dept., Admiralty, S.W.
Oct. 1904	LONGFIELD, HENRY FOSTER ..	Grange Erin, Douglas, Cork.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
6491	Oct. 1912	*LONGLEY, HENRY BANKS	Surrey Estate Offices, High Stree Epsom, Surrey.
2462	A. Nov. 1891 F. Mar. 1895	*LONGSDON, ERNEST MOREWOOD	The Hollow, Little Longstone, ne Bakewell, Derbyshire.
4992	A. Oct. 1906 F Mar. 1920	*§LORD, FREDERICK WILLIAM ..	District Valuer's Office, The O Skating Rink, Doncaster, Yorks
8371	Oct. 1921	LORIMER, ALLAN AITKEN ..	47, Overgate, Dundee.
7992	Oct. 1919	LOVEGROVE, GILBERT HENRY, F.R.I.B.A.	374, Old Street, E.C.2.
1396	Nov. 1887	LOVEGROVE, HENRY, A.R.I.B.A. ..	18, Foxgrove Road, Beckenham, Ken
8815	Jan. 1922	LOW, JAMES BARTLEY HYDE ..	74, Duke Street, Chelmsford.
9153	Oct. 1923	*LOWDEN, CHARLES GORDON ..	18-24, Cornwallis Street, Barrow-i Furness.
8816	Jan. 1922	LOWRIES, WILLIAM JOHN ..	33, Furnival Street, E.C.4.
6314	A. Oct. 1911 F. Apr. 1920	*LUCAS, ARTHUR LITTLEJOHNS..	23, Budge Row, E.C.
2532	A. Nov. 1892 F. June 1897	*LUCAS, JOHN ARCHIBALD, F.R.I.B.A.	Guildhall Chambers, High Stree Exeter.
4209	A. Oct. 1903 F. June 1919	*LUCAS, JOHN CLAY	51, Lincoln's Inn Fields, W.C.2.
1742	Feb. 1890	LUDLOW, WALTER ROBERT, BRIG.-GENERAL, C.B.	19, Temple Street, Birmingham, an Lovelace Hill, Solihull, Warwickshir
3934	A. Feb. 1902 F. Oct. 1918	*LUFFINGHAM, WILLIAM JOHN ..	18, Brockley Rise, Forest Hill, S.E.
3566	A. Oct. 1899 F. Apl. 1915	*LUKE, JOHN..	Town Hall, Manchester.
3567	A. Oct. 1899 F. June 1900	*LUKER, DYNELEY	63, Lincoln's Inn Fields, W.C.2.
8817	Jan. 1922	LUNN, W. H. H.	Broadway Court, Broadway, Wes minster, S.W.1.
5601	Oct. 1909	LYLE, SYDNEY J., CAPT.	Ballycastle, Co. Antrim.
5612	Oct. 1909	*LYNAM, GEORGE TROTTER.. ..	Town Hall, Burton-on-Trent.
8818	Jan. 1922	LYNAM, RICHARD BLOWEN ..	11, Duke Street, St. James, S.W.1
7677	Nov.1916	*LYNAM, WILLIAM THOMAS, A.M.I.C.E.	Surveyors' Dept., Union Offices Hemsworth, near Wakefield.
4465	A. Oct. 1904 F. Nov. 1912	*LYNDE, WALTER MIGHELLS ..	P.O. Box 62, Nairobi, Kenya Colon
3569	A. Oct. 1899 F. Jan. 1903	*LYNES, HUMPHREY DOD	Black Heath Estate Office, Saxmun ham, Suffolk.
2692	A. Oct. 1894 F Apr. 1922	LYONS, EDWARD COLVILL ..	Estate Office, Eccleshall, Staffs.
6450	A. Feb. 1912 F. Dec. 1921	*LYSTER, FRANK OLIVER	Parish Offices, Brownlow Hill, Live pool.
1743	Feb. 1890	LYWOOD, EDWIN..	16, Weyhill Road, Andover, Hants.
6316	A. Oct. 1911 F. Oct. 1920	*MACAULAY, JAMES	37, St. Vincent Crescent, Glasgow,
8383	Oct. 1921	MCAULEY, JAMES JOSEPH ..	6, Ely Place, Dublin.
7761	Nov. 1918	*‡MCBEATH, DAVID KEIR	Broxwood, Sandbank, Argyllshire

‡ Special Forestry Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
Nov. 1891	MACCALLUM, ALEXANDER DUNCAN	2, Ethel Terrace, Mount Florida, Glasgow.
Oct. 1921	McCARTHY, JOHN	6, Ely Place, Dublin.
Nov. 19 18	McCLURE, ROBERT NASH	Estate Office, Tralee, Co. Kerry.
Nov. 1916	McCONNELL, JOSEPH	37, Royal Avenue, Belfast.
Nov. 1891	McCRACKEN, WILLIAM	Englesea House, Crewe.
A. Dec. 1889 F. Mar. 1895	*§MACDONALD, ARTHUR, M.A. (*Cantab.*)	Tring, Herts.
Oct. 1923	McDOUGALL, WILLIAM WIGHT	H.M.O.W., Westminster, S.W.1.
Jan. 1922	McEWAN-WAGHORN, ARTHUR EWAN	7 & 8, King William Street, Strand, W.C.2.
A. Oct 1908 F. Oct. 1911	*McGHIE, CHARLES	38, Collingwood Buildings, Collingwood Street, Newcastle-on-Tyne.
Feb. 1908	McHARRIE, STAIR	Rephad, Stranraer, Wigtownshire.
A. Oct. 1907 F. May 1909	*McILWRAITH, JOHN FORSYTH ..	20, The Mall, Southgate, N.14 (Middlesex).
A. Oct. 1913 F. July 1920	*MACKAY, DAVID MEIKLE ..	189, St. Vincent Street, Glasgow.
Jan. 1922	MACKENZIE, CHARLES EVERNDEN	102, Bishopsgate, E.C.2.
Oct. 1914	McKIE, HENRY BANNERMAN ..	Freeland, Bishopston, Renfrewshire.
Oct. 1912	MACKINTOSH, JOHN	Architects' Department, H.M. Prison Commission for Scotland, Edinburgh.
Oct. 1908	McLAREN, JOHN THOMAS	The Leuchold, Dalmeny Park, Edinburgh.
A. Nov. 1918 F. July 1921	*MACLEAN, PETER McKINNON	30, Annette Street, Crosshill, Glasgow
Feb. 1908	McMICHAEL, JAMES	1, Argyll Arcade, Glasgow.
Oct 1914	McMILLAN, JOHN KNOX	6, Ely Place, Dublin.
Oct. 1919	McNAIR, ANDREW THOMSON ..	General Valuation Office, 6, Ely Place, Dublin.
Oct. 1921	McNEILL, JAMES	6, Ely Place, Dublin.
Feb. 1899	MACPHERSON, WILLIAM	Montrose Estates Office, Catter House, Drymen, Stirlingshire.
A. Oct. 1911 F. Nov. 1917	*MACROBBIE, WILLIAM ALEXANDER	102, Desswood Place, Aberdeen.
A. Oct. 1906 F. July 1922	*McSHEEHY, JOHN EDWARD GERARD .	7, Montana Road, Wimbledon, S.W.19. (Surrey).
A. Oct. 1910 F. Sep. 1919	*§McTAGGART, HUGH HARVEY ..	60, Falcon Avenue, Morningside, Edinburgh.
A. Oct. 1907 F. Apr. 1920	*MADDOCK, GEORGE	10, Harrison Road, Halifax, Yorks.
Nov. 1891	‡MADGE, JOHN	Somerset House, Chard, Somersetshire.
A. Oct. 1903 F. Apr. 1911	*MADGE, WILFRID	29, Abingdon Street, S.W.1.
A. Oct. 1900 F. Feb. 1908	*MAGGS, LEONARD	The Hollies, Walnut Grove, Radcliffe-on Trent, Nottinghamshire.
A. Oct. 1905 F. June 1911	*MAKINS, JAMES VINCENT.. ..	30, George Square, Glasgow.
A. Oct. 1910 F. Sept. 1917	*MALCOM, JAMES ARCHIE	53, Hanover Street, Edinburgh.

‡ Special Forestry Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5997	A. Oct. 1910 F. Jan. 1922	MALLETT, JOHN GRAHAM ..	Lonsdale Chambers, 27, Chancer Lane, W.C.2.
4345	Oct. 1904	*MALTBY, CHARLES MIDLAM ..	46, Knightsbridge, S.W.1.
8762	A. Oct. 1912 F. Feb. 1918	*MANN, CHARLES	45, Commercial Road, Dundee.
161	Jan. 1869	MANN, CHARLES JOHN..	10, Bedford Row, W.C.1.
2694	A. Oct. 1894 F. July 1922	MANN, FREDERICK CHARLES THOMAS	Woking, Surrey.
2319	Nov. 1891	MANN, JABEZ, A.M.I.C.E.	2, Tubs Hill, Sevenoaks, Kent.
1784	Apr. 1890	MANN, J. BAGSHAW	12, Lower Grosvenor Place, S.W.
1554	A. Jan. 1889 F. Feb. 1893	*MANN, ROBERT BAGSHAW.. ..	10, Bedford Row, W.C.1.
8819	Jan. 1922	MANN, WALTER	30, Rosemount Avenue, North Finch ley, N.12 (Middlesex).
8257	A. Oct. 1920 F. Dec. 1922	*MANSON, THOMAS BEATON ..	3, Loreburn Park, Dumfries.
8821	Jan. 1922	MARCHANT, ROBERT	No. 6, Fifth Floor, 2, Wellingto Place, Belfast.
4995	A Oct. 1906 F. Feb. 1919	*MARKHAM, CHRISTOPHER WILLIAM O'LEARY	Rolls Chambers, 89, Chancery Lan W.C.2.
6146	Oct. 1911	*MARKHAM, FREDERICK WARREN	90, Deansgate, Manchester.
1947	Jan. 1891	MARKS, HYMAN	19, Ludgate Hill, E.C.
3864	A. Oct. 1901 F. Dec. 1923	*MARRIAN, HAROLD GREEN-WOOD, A.M.I.C.E.	3, Main Street, Coatbridge, Lanar shire.
5503	A. Oct. 1908 F. Oct. 1909	*MARSDEN, JOHN WILLIAM.. ..	Valuation Dept., 78, King's Stree Manchester.
5723	A. Oct. 1909 F. Oct. 1910	*§MARSH, FREDERICK STEPHEN..	7, Park Avenue, Northampton.
7558	Oct. 1915	MARSH, JOHN WILTON	City Hall, Charing Cross Road, W.
7562	Oct. 1915	MARSH, THOMAS ASPINALL ..	Leaders Buildings, King Street Wigan, Lancs.
626	A. Nov. 1881 F. Nov. 1884	MARSHALL, LIONEL HASLER ..	Chippenham, Wilts.
1785	Apr. 1890	MARSHALL, PETER	The Hollies, Handsworth, Sheffiel
2631	A. Feb. 1894 F. Oct. 1897	*§MARTIN, ALFRED JOHN	Alton, Hants.
5219	A. Oct. 1907 F. Nov. 1922	*MARTIN, FREDERICK MARK ..	Town Hall, Basingstoke, Hants.
4996	A. Oct. 1906 F. Jan. 1912	*MARTIN, HARRISON	27, Chancery Lane, W.C.
1555	A. Jan. 1889 F. Jan. 1896	*§MARTIN, HEBER GAMBLING ..	Littleport, Isle of Ely, Cambridgeshir
364	Jan. 1875	MARTIN, HOWARD (*Past-President*)	12, Great George Street, S.W.1., a South Lawn, Reigate, Surrey.
3714	A. Oct. 1900 F. Feb. 1908	*MARTIN, JOHN PATTINSON.. ..	The Estate Office, Station Approac Seaford, Sussex.
2559	A. Oct. 1893 F. Mar. 1898	*MARTIN, SAMUEL..	Valuation Office, Inland Revenu Lincoln's Inn Fields, W.C.
1533	A. Dec. 1888 F. July 1892	*‡MARTIN, THOMAS, CAPT. ..	39, Osborne Road, Palmer's Gree N.13. (Middlesex.)
5504	A. Oct. 1908 F. June 1919	*MARTIN, VICTOR CALLINGHAM ..	17, Bedford Row, W.C.

◖ Special Rating Diploma. ‡ Special Forestry Diploma.

Date of Election and of Tarnsfer.	FELLOWS.	Address.
Feb. 1889	MARVIN, ALBERT EDWARD.. ..	The Grove, Carisbrooke, Isle of Wight.
Feb. 1899	MARWICK, THOMAS PURVES ..	43, York Place, Edinburgh.
A. Oct. 1908 F. June 1919	*MASKELL, REGINALD	3, Warwick Court, Gray's Inn, W.C.
A. Oct. 1906 F. Oct. 1923	*MASLEN, THOMAS PATRICK VINCENT	Valuation Office, 111-113, Great Portland Street, W.
A. Oct. 1905 F. Apr. 1921	*MASON, ARNOLD STEWART ..	Engineer's Department, Corporation Waterworks, Liverpool.
Mar. 1889	MASON, CHARLES..	Newton House, Queen Street, Louth, Lincolnshire.
A. Dec. 1889 F. June 1908	*MASON, CHARLES WILLIAM HAYLEY	59, Broadhurst Gardens, N.W.6.
A. Oct. 1902 F. Jan. 1906	*MASON, HERBERT WALTER ..	The Hutch, Ferndale Road, Banstead, Surrey.
A. Dec. 1885 F. Nov. 1888	*MASSIE, FRANK, M.I.C.E.	Tetley House, Kirkgate, Wakefield, Yorkshire.
A. Oct. 1901 F. Oct. 1913	*MASTERS, WILLIAM HENRY ..	Freemantle Lodge, Foundry Lane, Southampton.
A. Oct. 1900 F. Nov. 1901	*MATHER, JAMES	Ravelston Bank, Blackhall, Midlothian.
A. Oct. 1915 F. Apr. 1923	*MATHEW, ROBERT CHARLES ..	24, John Street, Bedford Row, W.C.1.
A. Oct. 1893 F. Apr. 1896	*MATHEWS, LEWIS OSLER, M.A. (*Cantab.*)	12, Waterloo Street, Birmingham.
Oct. 1913	*MATHISON, JOSEPH	Langport, Somerset.
A. Oct. 1912 F. Dec. 1919	*MATKIN, GEORGE EDWARD.. ..	Town Hall, Sunderland, Durham.
A. Oct. 1907 F. July 1923	*MATTHEWS, DOUGLAS PERCIVAL	Valuer's Office, Barclay Bank Chambers, Princess Square, Plymouth.
A. Oct. 1899 F. Oct. 1900	*MATTHEWS, DOUGLAS SAMUEL	15, Soho Square, W.1.
Jan. 1922	MATTHEWS, HAROLD SCOBELL	41, Billington Road, New Cross, S.E.14.
A. Oct. 1912 F. Oct. 1913	*§†¶MATTHEWS, MAURICE KERSHAW	77, Tottenham Court Road, W.
Sep. 1895	MAUDE, CHRISTOPHER HUGH ..	Lenaghan, Enniskillen, Co. Fermanagh.
Jan. 1922	MAUNDER, HENRY NEWMAN ..	P.W.D., Mauritius.
Oct. 1909	MAUNSELL, GEORGE EDWARD SCARLETT	Burghclere, Newbury, Berks.
Sep. 1895	MAUNSELL, RICHARD EDWARD..	4, Kildare Street, Dublin.
A. Oct. 1901 F. Sep. 1902	*MAXWELL, DAVID BENJAMIN ..	Riverside, Great Blakenham, Ipswich.
Oct. 1898	*MAXWELL, JOSEPH ARCHIBALD..	21, Marlborough Road, Banbury, Oxfordshire.
Nov. 1891	MAY, THOMAS HENRY	"Harefield," Marlborough Road, Buxton, Derbyshire.
A. Oct. 1910 F. Oct. 1914	*MAY, WILLIAM STOKES	21, Hart Street, Bloomsbury Square, W.C.
A. Oct. 1903 F. June 1910	*MAYHEW, ROBERT HENRY JEWERS, A.R.I.B.A.	Edmondsbury, Genoa Road, Anerley, S.E. (Surrey).

† Special Sanitary Science Diploma. ¶ Special Rating Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
3571	A. Oct. 1899 F. May 1903	*MEABY, THOMAS JAMES	Canford Estate Office, Wimborne, Do setshire.
4032	A. Oct. 1902 F. June 1912	*§MEACHER, EDMOND, MAJOR ..	10, Denbigh Gardens, Richmon Surrey.
5603	Oct. 1909	MEDCALF, WILLIAM	6, Clare Street, Dublin.
7528	A. Oct. 1914 F. Oct. 1920	*MEDRINGTON, ARTHUR CHARLES PERCY, M.A. (*Cantab.*) ..	Oriel Chambers, Water Street, Live pool.
1949	Jan. 1891	MELLOR, THOMAS HENRY	1, Sillwood Place, Brighton.
1447	A. Jan. 1888 F. Sep. 1902	*†MELROSE, FRANK..	3–4, Clement's Inn, W.C.2.
7286	A. Oct. 1913 F. July 1920	*MELVIN, CHARLES JOHN ..	Britannic House, 23, Great Winche ter Street, E.C.2.
8399	Oct. 1921	*MENDHAM, JOHN BERNARD ..	9, Duke Street, Adelphi, W.C.2.
1379	Mar. 1887	MENZIES, WILLIAM	Golspie, Englefield Green, Surrey.
2696	A. Oct. 1894 F. June 1897	*MERCER, CHARLES EDWARD ..	Estate Office, S.E. Railway, Tooley S London Bridge Station, S.E.
4999	A. Oct. 1906 F. July 1921	*MERRETT, HAROLD THRIFT ..	5, Great College Street, Westminst Abbey, S.W.
1145	A. Apr. 1884 F. Apr. 1922	MERRETT, JAMES	5. Great College Street, S.W.1.
1972	A. Jan. 1891 F. Dec. 1894	*§MERRY, ARTHUR WALKER.. ..	17, High Street, Leighton Buzzar Beds.
2099	May 1891	MERRY, THOMAS	Barclay Bank Chambers, St. Gil Square, Northampton.
2646	Oct. 1894	*MESSENGER, HENRY	77, Chancery Lane, W.C.
746	Feb. 1882	MESSENGER, WILLIAM HARRY ..	Town Hall Chambers, Guildford.
5728	A. Oct. 1909 F. Sep. 1919	*METCALFE, WILLIAM	Council Chambers, Gosforth, Nortl umberland.
2536	A. Nov.1892 F. July 1922	MEW, ROBERT HEATH	119, Moorgate, E.C.2.
1223	Dec. 1884	*‡MICHELMORE, ALFRED	Gate House, Totnes, Devon.
8372	Oct. 1921	MICHIE, DAVID KINLOCH ..	Elderslie Estates Office, Renfrew.
5342	Feb. 1908	MIDDLETON, JAMES	Estate Office, Braehead, Kilmarnock
1493	Nov. 1888	MIDDLETON, REGINALD EMPSON, M.I.C.E.	90, Kensington Park Road, W.
6005	A. Oct. 1910 F. Oct. 1914	*MILLAR, ALEXANDER WALKER..	37, Frederick Street, Edinburgh.
2326	Nov. 1891	MILLAR, WILLIAM GALT	1, Arcade Chambers, Reading.
8263	A. Oct. 1920 F. July 1923	*MILLEN, GEORGE ROBERT MENELAUS	c/o C. Henry Bond & Co., 40, Buc ingham Gate, S.W.1.
3070	Oct. 1896	*MILLER, JOHN EZRA	4, Brookside Ter., Sunderland, Durha
2145	A. May 1891 F. May 1892	*MILLER, JOHN JOSEPH, A.R.I.B.A.	8, Poplar Grove, Hammersmith, W.(
7517	Oct. 1914	MILLER, WILLIAM MITCHELL ..	12, St. Andrew's Square, Edinburgh.
6776	A. Oct. 1912 F. July 1922	*MILLS, ARTHUR CORFE	Messrs. Deacon, 47, Foregate Stre Worcester.
3716	A. Oct. 1900 F. Dec. 1903	*MILLS, ARTHUR ERNEST	General Valuation Office, 6, Ely Pla Dublin.
3869	A. Oct. 1901 F. Dec. 1918	*MILLS, DANIEL	Valuation Office, Inland Revenu Union Chambers, Coventry.

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Date of Election and of Transfer.	FELLOWS.	Address.
Oct. 1914	MILLS, FREDERICK PETER.. ..	47, Linden Road, Gosforth, Newcastle-on-Tyne.
May 1884	MILLS, SAMUEL MEALING	51, London Street, Norwich.
Feb. 1886	MILLS, WILLIAM EDWARD	57, Hamilton Sq., Birkenhead, Cheshire.
Nov. 1891	MILLYARD, JOHN WILLIAM.. ..	Estate Office, Littlebridge, Bromyard, Herefordshire.
A. Oct. 1907 F. Mar. 1920	*¶§MILNE, JAMES LOGIE	43, Cannon Street, Birmingham.
A. Oct. 1906 F. Apl. 1915	*MILNES, CHARLTON	57, Hamilton Square, Birkenhead.
A. Feb. 1906 F. Nov. 1913	*MIRAMS, ARTHUR EDWARD ..	Poona, Bombay Presidency, India.
Oct. 1913	MITCHELL, GEORGE BENNETT, M.B.E., D.L.	1, West Craibstone Street, Bon Accord Square, Aberdeen.
A. Nov. 1891 F. Oct. 1892	*MITCHELL, GEORGE SHARMAN ..	Broadbridge Place, Horsham, Sussex.
A. Oct. 1903 F. June 1911	*MITCHELL, HAROLD HASTINGS ..	107, Malvern Road, Worcester.
Oct. 1912	*MITCHELL, JOSEPH	Devonshire Buildings, Carlisle.
A. Feb. 1906 F. Feb. 1918	*MITCHELL, SIDNEY	District Valuer's Office, 29–31, Hatfield Road, St. Alban's, Herts.
Feb. 1915	MITTON, HENRY EUSTACE.. ..	Ormonde Fields, Codnor, Derby.
A. June 1896 F. Nov. 1916	*MOERAN, ARCHIBALD EDWARD	Portumna Castle, Portumna, Co. Galway.
A. Oct. 1904 F. July 1918	*‡MOISER, CYRIL	Valuation Department, 9, Hammett Street, Taunton.
Feb. 1890	MONCKTON, HENRY PERCIVAL, F.R.I.B.A.	32, Walbrook, E.C.
Oct. 1907	*MONSON, EDWARD CHARLES PHILIP, F.R.I.B.A.	Finsbury Pavement House, E.C., and 182, High Street, Acton, W. (Middlesex).
Oct. 1912	MONTGOMERY, HARFORD HUGH	2, Howard Street, Belfast.
A. Oct. 1905 F. June 1910	*MONTGOMERY, WILLIAM ALEXANDER, MAJOR, D.S.O., C.B.E...	2, Howard Street, Belfast.
Jan. 1922	MOODY, THOMAS JAMES	21, Hart Street, Bloomsbury, W.C.1.
Feb. 1889	MOORE, ALFRED	7, Leadenhall Street, E.C., and 33, Mile End Road, E.
A. Oct. 1901 F. June 1919	*MOORE, ARTHUR WILLIAM.. ..	Rodney House, Alton, Hants.
A. Oct. 1903 F. Oct. 1913	*MOORE, ERNEST LLEWELLYN ..	Wellesley House, 7, Mill Lane, West Hampstead, N.W.
A. May 1884 F. May 1888	*MOORE, HAROLD EDWARD.. ..	41, Bedford Row, W.C.
A. Oct. 1912 F. Nov. 1916	*MOORE, HAROLD ELLIS	39, Denmark Road, Gloucester.
Jan. 1922	MOORE, THOMAS	16 & 17, Connaught Buildings, St. Andries St., Pretoria, S. Africa.
Oct. 1921	MORAN, PATRICK J.	3, Windsor Terrace, Kingstown, Co. Dublin.
Oct. 1914	MORE, WILLIAM HENRY	Crown Lodge, Harlech, N. Wales.

¶ Special Rating Diploma. ‡ Special Forestry Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
2331	Nov. 1891	MORGAN, BENJAMIN BRAUFORD	1, Upper King Street, Norwich.
5225	A. Oct. 1907 F. Dec. 1914	*MORGAN, THOMAS EDWIN	3 & 4, Lincoln's Inn Fields, W.C.
7503	Oct. 1914	MORGANS, GODFREY EWART, LT.-COL.	16, Rue de l'abbé de l'épeé, Paris (V
6332	A. Oct. 1911 F. Dec. 1912	*§MORLEY, ERIC, A.R.I.B.A.	14, Park Drive, Bradford, Yorkshir
3405	A. Oct. 1898 F. Sep. 1919	*MORRIS, ARTHUR.	Valuation Office, Inland Reven West St. Mary's Gate, Grimsby
6006	A. Oct. 1910 F. Mar. 1920	*§MORRIS, CLIFFORD	Elmhurst, Welshpool, Montgome
1443	Jan. 1888	MORRIS, EDWARD HENRY	Elmhurst, Welshpool, Montgome
2538	A. Nov. 1892 F. Oct. 1894	*MORRIS, RICHARD PERCIVAL ..	21, Montserrat Road, Putney, S.W
7651	Nov. 1916	MORRIS, WILLIAM	77, King Street, Manchester.
2699	A. Oct. 1894 F. Oct. 1899	*MORRIS, WILLIAM HENRY.. ..	Monksfield, Chirbury, Shropshire
3671	A. Oct. 1900 F. Oct. 1909	*MORRIS-DAVIES, JAMES GEORGE	Hafod Estate Office, Devil's Brid S.O., Cardiganshire.
7008	Oct. 1913	*MORRISH, WILLIAM JAMES MARMADUKE, B.A., F.R.I.B.A.	Wyke Road, Gillingham, Dorset.
8929	Nov. 1922	MORRISON, CHARLES ARCHER	H.M. Office of Works, Storey's Ga S.W.1.
3872	A. Oct. 1901 F. Mar. 1909	*MORRISON, IVOR CHARLES.. ..	Otterleigh, St. Albans, Herts.
8827	Jan. 1922	MORTER, HENRY ARTHUR ..	102, Bishopsgate, E.C.2.
8828	Jan. 1922	MORTON, WILLIAM	45, John Street, Sunderland.
7299	A. Oct. 1913 F. Mar. 1920	*MORTON, WILLIAM DAVID ..	2, Salisbury Road. Dover.
7009	Oct. 1913	*MOTION, SIDNEY HERBERT ..	23, Hart Street, Bloomsbury, W.C.
3575	A. Oct. 1899 F. Jan. 1912	*MUMBY, ELVIN FOWLER	54, Victoria Street, S.W.1.
8829	Jan. 1922	MUMBY, THOMAS NEVILLE CAMOMILE	Parliament Mansions, Victoria Stre Westminster, S.W.1.
4219	A. Oct. 1903 F. Oct. 1910	*MUNDELL, JOSEPH EDWARD, A.R.I.B.A.	305, Finchley Road, Hampste N.W.5.
2845	Sep. 1895	MURPHY, JAMES FRASER, MAJOR	Estate Office, Boyle, Co. Roscommo
6473	Oct. 1912	MURPHY, J. H. BURKE	Cultra Lodge, Cultra, Co. Down.
7735	Nov. 1918	MURRAY, JOHN, F.R.I.B.A. ..	11, Suffolk Street, Pall Mall, S.W
3479	Feb. 1899	MURRAY, JOHN CAMPBELL (*Member of Council*)	Pollok Estates Office, 120, West Reg Street, Glasgow.
5480	Feb. 1899	MURRAY, JOSEPH..	Camperdown Estates Office, Drybur Lochee, Forfarshire.
3481	Feb. 1899	MURRAY, WILLIAM WATSON ..	Catter House, Drymen, Stirlingshire
8270	A. Oct. 1920 F. Nov. 1922	*MURRELL, GEORGE HERBERT JAMES	St. Mary's House, Quarry Stre Guildford.
4760	A. Oct. 1905 F. Oct. 1911	*§MURRELL, SIDNEY JAMES	District Valuer, 6, Gluman Ga Chesterfield.
6784	A. Oct. 1912 F. Nov. 1922	*MUSGRAVE, THOMAS HAROLD..	17, Eldon Square, Newcastle-on-T

Date of Election and of Transfer.	FELLOWS.	Address.
Oct. 1909	MYERS, ALBERT ROBERT	H.M. Office of Works, King Charles Street, Westminster, S.W.
Oct. 1911	*MYERS, LEGENDER WILLIAM..	13, Gray's Inn Square, W.C.1.
Feb. 1889	NAPIER, HENRY BURROUGHES (*Member of Council*)	Ashton Court Estate Office, Long Ashton Clifton, Bristol (Somerset).
A. Jan. 1869 F. Mar. 1882	NASH, ALFRED JAMES..	Farnham, Surrey.
Oct. 1904	NASH, SIR VINCENT, D.L.	85, George Street, Limerick.
A. Oct. 1904 F. Dec. 1912	*NAYLOR, JOHN STUART	8, Lancaster Place, Strand, W.C.
Feb. 1879	NEAME, FREDERICK	Macknade, Faversham, Kent.
Apr. 1882	NEATE, ARTHUR WEBB	8, St. Mary's Hill, Newbury, and Hungerford, Berkshire.
Feb. 1906	NEIGHBOUR, WILLIAM FRANCIS..	55 & 56, Chancery Lane, W.C.2.
A. Oct. 1909 F. Apr. 1915	*NEIL, DAVID MAXWELL	13A, Westcliff Park Drive, Southend-on-Sea, Essex.
Nov. 1918	NEILL, HUGH	87, Union Street, Glasgow.
A. Oct. 1902 F. June 1904	*NEILL, JAMES NEILL	38, Park Row, Leeds.
A. Oct. 1898 F. Feb. 1900	*NESBITT, JOHN OSCAR..	8, Oxford Street, Nottingham.
A. Oct. 1907 F. Apr. 1922	*NEWBERY, GEORGE HERBERT..	14, Mount Street, W.
A. Oct. 1903 F. Nov. 1908	*NEWBORN, CHARLES REGINALD	6, New Square, Lincoln's Inn, W.C.2.
Feb. 1890	NEWILL, ROBERT HENRY	The Elms, Little Stretton, Church Stretton, Shropshire.
A. Oct. 1912 F. July 1922	*NEWLING, ARTHUR GWYN ..	Langdale, Storeton Road, Prenton, Birkenhead.
A. Oct. 1902 F. Apr. 1908	*NEWMAN, BERNARD	19, Villiers Road, Southall, W. (Middlesex).
A. Oct. 1899 F. Jan. 1912	*NEWMAN, HENRY ARTHUR, A.M.I.C.E.	Council Offices, Church End, Finchley, N. (Middlesex).
A. Nov. 1892 F. Oct. 1894	*NEWMAN, SAMUEL FRANK.. ..	33 and 34, Savile Row, W.
A. Jan. 1880 F. Apr. 1886	NEWMARCH, HENRY CHARLES ..	17, Bedford Row, W.C.
Nov. 1916	NEWTON, ROBERT	Killymeal, Dungannon.
A. Oct. 1910 F. Apr. 1922	*NICHOLLS, CHARLES WILLIAM..	Estate Office, Ministry of Munitions, Holbrook Lane, Coventry.
A. Oct. 1911 F. Dec. 1920	*NICHOLLS, DOUGLAS RICHARD, MAJOR, R.E.	Chard, Somerset.
A. Oct. 1898 F. Oct. 1905	*NICHOLSON, GUY MURRAY	55 & 56, Chancery Lane, Holborn, W.C.2.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
6334	A. Oct. 1911 F. July 1913	*NICHOLSON, JAMES	15, Westwood Road, Bolton, Lan
2340	Nov. 1891	NICHOLSON, WILLIAM ABERNETHY	1 and 2, Queen Street, Cheapside, E.
7530	A. Oct. 1914 F. July 1922	*NICOL, FRANK CLAUDE	317, High Holborn, W.C.1.
8100	Oct. 1920	NIGHTINGALE, CHARLES FREDERICK	145, Lichfield Street, Walsall.
8933	Nov. 1922	NISBET, JOHN	30, George Square, Glasgow.
8831	Jan. 1922	NIXON, ERNEST DERMOT	7, Warwick Court, High Holbor W.C.1.
4485	A. Oct. 1904 F. Nov. 1913	*§NORMAN, CHARLES FREDERICK ..	83, Kingsway, W.C.2.
5383	Oct. 1908	*NORMAN, HERBERT JOHN	Cave House, Uxbridge, Middlese and Valuation Office, Inla Revenue, 18, Shoot-up Hi Brondesbury, N.W.
6452	A. Feb. 1912 F. Dec. 1919	*NORMAN, STUART HENRY	Auction Mart, Halford Street, L cester.
85	July 1868	NORTH, GEORGE	Anscombe House, Queen's Roa Worthing.
255	Feb. 1871	NOTLEY, RICHARD ALBERT ..	14, Bow Lane, Cannon Street, E.C.
8832	Jan. 1922	NUNN, SAMUEL THOMAS	Bush House, Aldwych, W.C.2.
3978	A. Oct. 1895 F. May 1898	*NUTTALL, HERBERT, A.M.I.C.E., F.G.S.	30, Highgate Avenue, Fulwood, Pre ton, Lancashire.
3409	A. Oct. 1898 F. Dec. 1904	*NUTTER, JOHN	Valuation Dept., Inland Revenu Market Square, Lancaster.
4225	A. Oct. 1903 F. Feb. 1919	*NYE, HAYDN PERCIVAL	28, Holland Road, Hove.
2465	A. Nov. 1891 F. Oct. 1894	*OAKLEY, CHRISTOPHER PERCIVAL	29, Romford Road, Stratford, (Essex).
3030	Mar. 1891	OAKLEY, EDWARD BENJAMIN ..	Hinton Chambers, Bournemouth, Han
1975	A. Jan. 1891 F. Dec. 1892	*OAKLEY, SIR JOHN HUBERT (*Past-President*)	4 and 5, Charles Street, St. James's Squa S.W.
3577	A. Oct. 1899 F. Apr. 1901	*O'BRIEN, DONOUGH RICHARD ..	74, O'Connell Street, Limerick.
7753	Nov. 1918	O'BRIEN, THE HON. EDWARD DONOUGH	Roslevan, Ennis, Co. Clare.
7504	Oct. 1914	O'DONAHUE, THOMAS ALOYSIUS	Medhurst, Worcester Road, Malver
8934	Nov. 1922	O'FERRALL, GERALD MORE ..	Edgeworthstown, Co. Longford.
1976	A. Jan. 1891 F. Jan. 1894	*OGDEN, MICHAEL GUY	4, Hill Road, Wimbledon, S. (Surrey).

p. 5.	Date of Election and of Transfer.	FELLOWS.	Address.
9	A. Oct. 1897 F. Oct. 1899	*Ogilvie, Robert Mathewson..	Market Place, Hayward's Heath Sussex.
5	A. Oct. 1905 F. Mar. 1920	*Oldfield, Claude Courtenay	54, Regent Road, Great Yarmouth
5	A. Oct. 1906 F. Nov. 1907	*Oldham, James	The Estate Agent, North Eastern Area, L. & N.E. Rly., York.
2	Nov. 1891	Oliver, Charles Edward ..	Consett Iron Co., Ltd., Consett, Co Durham.
4	A. Oct. 1912 F. July 1921	*Oliver, William Marsh ..	19, St. Michael's Street, West Brom wich, Staffs.
6	Feb. 1886	Orgill, John Berwick	75, Onslow Square, South Kensington S.W.7.
6	A. Oct. 1910 F. Apr. 1916	*Orpen, Alfred	126, Maida Vale, W.
1	A. Oct. 1909 F. Mar. 1920	*Osborn, George	Oakhill House, Parker's Road, Sheffield.
1	A. June 1896 F. June 1899	*Osenton, Charles	Leatherhead, Surrey.
7	A. Oct. 1903 F. Nov. 1909	*‡Osmond-Smith, Francis Henry George, M.R.A.C.	3, Palace Road, Llandaff, Cardiff.
2	A. Nov. 1892 F. Jan. 1908	*Ovenden, Charles	121, Cannon Street, E.C.
2	Oct. 1910	*Ovenden, Harry	Valuation Office, Lincoln's Inn Fields W.C.2.
9	Feb. 1906	Overall, Edmund	5, Duke Street, Adelphi, W.C.
5	A. Oct. 1901 F. June 1908	*Overton, William Henry ..	22, Ship Street, Brighton.
3	A. Oct. 1902 F. Mar. 1920	*Owen, Harry Bertram ..	c/o Owen Blois & Owen, Newcastle Staffs.
2	Oct. 1915	*Oxley, Harold	Metropolitan Water Board, 173, Rose bery Avenue, E.C.1.
1	Mar. 1891	Page, George Frederick *(Member of Council)*	Eagle Chambers, Kingston-on-Thames Surrey.
2	A. Oct. 1894 F. Jan. 1898	*†Page, Stanley Hatch, Lt.-Col., C.M.G.	6, Queen Street, Ramsgate, Kent.
4	A. Oct. 1909 F. Apr. 1923	*Pain, Coard Henry	51, North John Street, Liverpool.
5	A. Nov. 1875 F. Apr. 1881	Pain, Coard Squarey	Bebington, Cheshire.
1	A. Oct. 1893 F. June 1897	*Pain, George Lloyd..	5, Vicarage Road, Leamington.
3	A. Oct. 1894 F. June 1914	*Pain, William Henry	The Gables, South Collingham, Newark, Notts.
3	Jan. 1922	Paine, Sydney Arthur.. ..	2, New Court, Carey Street, W.C.2

‡ Special Forestry Diploma.

† Special Sanitary Science Diploma .

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5234	A. Oct. 1907 F. Dec. 1921	*PALMER, FREDERICK CHARLES..	Valuation and Rating Departmen Guildhall, E.C.
4228	A. Oct. 1903 F. June 1904	*PALMER, FREDERICK CHARLES RICHARD	National Provincial Bank of Englan Ltd., Building Dept., 15, Bishop gate, E.C.
2495	A. Feb. 1892 F. July 1901	*PALMER, WILLIAM EDWARD KING A.R.I.B.A.	7, Duke Street, Adelphi, W.C.
7321	A. Oct. 1913 F. July 1921	*PARFITT, GERALD ARTHUR ..	Waterworks Lodge, Heigham, No wich.
5344	Feb. 1908	PARK, ALEXANDER	175, Hope Street, Glasgow.
6019	A. Oct. 1910 F. July 1920	*PARKER, ARCHIE MONTGOMERY	46A, Gloucester Road, S.W.
567	A. Jan. 1880 F. Jan. 1888	PARKER, THE HON. CECIL THOMAS	The Grove, Corsham, Wiltshire.
1383	Mar. 1887	PARKER, CHARLES ALFRED.. ..	49, Russell Square, W.C., and Woo ham, Mortimer Place, Maldo Essex.
5236	A. Oct. 1907 F. Dec. 1919	*PARKER, CHARLES GOODE.. ..	Howarth, Banstead Road, Belmor Sutton, Surrey.
6020	A. Oct. 1910 F. Apr. 1922	*PARKER, FRANK GRANGER ..	denhall, Suffolk.
7324 8834	A. Oct. 1913 F. Jan. 1922	PARKER, GEORGE	Pulford, nr. Wrexham, North Wale
1269	May 1885	PARKER, JOHN, A.M.I.C.E. ..	Mansion House, Hereford.
5237	A. Oct. 1907 F. Dec. 1920	*PARKER, JOHN	L. & S.W. Rly. Rating Office, Addin ton Street, Waterloo Station, S.
4044	A. Oct. 1902 F. June 1908	*PARKHOUSE, SAMUEL..	92, High Street, Notting Hill Gat W.11.
4045	A. Oct. 1902 F. Oct. 1914	*PARKINSON, HERBERT	7, New Road, Chatham, Kent.
8117	Oct. 1920	*PARKINSON, JOSEPH	10, Victoria Street, Liverpool.
7976	Oct. 1919	PARR, EUSTACE TOLEFREE ..	H.M. Office of Works, Storey's Ga S.W.1.
2022	Mar. 1891	PARR, SAMUEL GEORGE	New Broad Street House, E.C.
5007	A. Oct. 1906 F. June 1912	*PARRATT, OSWALD ESTCOTT ..	70, Lombard Street, E.C.3.
1679	A. Dec. 1889 F. Nov. 1893	*PARRIS, CHARLES JOHN	67, High Street, Tunbridge Wells, Ke and at Crowborough, Sussex.
4046	A. Oct. 1902 F. June 1908	*PARRY, ALBERT EDWARD	36, Endlesham Road, Balham, S.W
7993	Oct. 1919	*§PARRY, JOHN OWEN	61, College Street, Ammanford, S. Wales.
1422	A. Dec. 1887 F. Mar. 1891	*PARRY, RICHARD, B.SC. (*London*), A.M.I.C.E.	35, Lincoln's Inn Fields, W.C.2.
1855	Nov. 1890	PARSONS, FREDERICK CECIL ..	163, North Street, Brighton.
6801	A. Oct. 1912 F. Oct. 1913	*PARSONS, JOHN DOUGLAS	18, Charing Cross Road, W.C.
957	A. May 1883 F. Dec. 1888	PARSONS, ROBERT MAURICE PETERS	Misterton, Crewkerne, Somersetshire.
1897	A. Nov. 1890 F. Oct. 1894	*§PARTRIDGE, EDWARD JOHN ..	Bank Chambers, 39, George Street, Ri mond, Surrey, and 50, Lincoln's I Fields, W.C.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1909 F. Apr. 1915	*PASCOE, JOHN BARRON	7, Gower Street, Swansea, and 56, Sketty Road, Swansea.
A. Oct. 1921 F. Oct. 1923	*PASHEN, JOHN HERBERT ..	Chief Draughtsman, Public Works Dept., Dar-es-Salaam, Tanganyika Territory, East Africa.
A .Oct. 1896 F. Mar. 1899	*PATCH, SHIRLEY HUTCHINS ..	The Chestnuts, Havelock Road, Addiscombe, Croydon.
A. Oct. 1909 F. Oct. 1920	*PATCHING, EDWARD GLENCAIRN	Room 325, 10, Whitehall Place, S.W.1
Oct. 1904	*PATERSON, JOHN SALMON	Valuation Office, Inland Revenue, 28, Queensgate, Inverness.
A. Oct. 1901 F. May 1909	*§PATON, DAVID LLEWELLYN ..	Martlett House, Bow Street, W.C.2.
Oct. 1921	PATTERSON, JOHN WILSON, MAJOR, B.E.	Valuation Office, Atlantic Buildings, Waring Street, Belfast.
A. Oct 1908 F. June 1910	*PAUL, ANDREW	31, Essex Street, Strand, W.C.2.
Oct. 1921	*PAUL, HENRY	74, Eccleston Square, Victoria, S.W.1.
A. May 1883 F. May 1888	*PAULL, ALAN	12, New Court, Carey Street, W.C.
Oct 1923	*PAYNE, CHARLES FREDERICK	Messrs. Baxter, Payne & Lepper, Bromley, Kent.
Jan. 1882	PAYNE, FREDERICK	10, Market Square, Bromley, Kent.
A. Oct. 1911 F. Oct. 1918	*PAYNTER, E. ERNEST W., N.D.A. (Hons.), N.D.D.	Highlands, Berealston, Devon.
Oct. 1914	PAYTON, EDMUND	2, Mill Hill Road, Derby, and Crompton's Bank Chambers, Midland Road, Derby.
A. Oct. 1893 F. Jan. 1898	*PEARCE, FRED W.	Surveyor's Office, Town Hall, Twickenham, Middlesex.
A. Oct. 1911 F. Sep. 1919	*PEARCE, HUBERT WILLIE	1, Church Street, Wellington, Salop.
A. Feb. 1906 F. Dec. 1920	*PEARCE, WILLIAM HENRY, A.M.I.C.E.	Chief Engineer and Surveyor, Gibraltar.
A. Oct. 1906 F. Apr. 1922	*PEARCH, DOUGLAS DAVISSON	20, High Street, Tunbridge Wells.
A. Oct. 1908 F. Dec. 1920	*PEARMAN, FRANCIS MAY ...	32, Sinclair Mansions, West Kensington Park, W.12.
A. Oct. 1896 F. Feb. 1901	*PEARSE, OCTAVIUS BURROUGHES	Foxhill, Dyott Road, Moseley, Birmingham.
A. Oct. 1902 F. Dec. 1904	*PEARSE, THOMAS WILLIAM.. ..	The Green, Modbury, South Devon.
Nov. 1891	PEARSE, WILLIAM	Stoliford, Modbury, Devon.
A. Oct. 1912 F. Apr. 1923	*PEARSON, BENJAMIN JOHN ..	14, Lynwood Road, Aintree, Liverpool.
Oct. 1919	PEARSON, JAMES MONGTOMERIE	51, John Finnie Street, Kilmarnock.
A. Oct. 1893 F. Jan. 1898	*PEARSON, T. HOWARD..	Troston, Bury St. Edmund's.
A. Oct. 1912 F. June 1919	*PEARSON, WILLIAM	10, Grange Road, Dudley, Worcestershire.
A. Oct. 1898 F. July 1907	*PEASE, CHARLES EDWARD.. ..	46, Lincoln's Inn Fields, W.C.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5749	A. Oct. 1909 F. Apr. 1920	*Peat, Frederick James ..	West View, Evesham Road, Reiga
8835	Jan. 1922	Peebles, Joseph	Bedford Row Chambers, 42, The bald's Road, W.C.
3252	A. Oct. 1897 F. Sep. 1904	*Peebles, Philip..	Shanghai Land Investment Co., Lt 2, Jinkee Road, Shanghai, China.
7643	Nov. 1916	Peel, Edward Laurence ..	5, Great College Street, S.W.
2105	May 1891	Pells, Arthur	9, London Road, Beccles, Suffolk.
5244	A. Oct. 1907 F. July 1920	*§Pemberton, Basil Charles..	21, Irvine Road, Colchester.
7332	A. Oct. 1913 F. Oct. 1920	*Pendered, Richard Dudley	The Wigwam, Hatton Park Roa Wellingborough, Northants.
8063	A. Oct. 1919 F. Dec. 1923	*Pennington, Ernest, N.D.A., N.D.D.	Market Square, Bicester, Oxon.
4234	A. Oct. 1903 F. Dec. 1909	*Pepler, George Lionel	Ministry of Health, Whitehall, S.
7506	Oct. 1914	Percy, Richard Frederick, M.I.M.E.	10, Ebers Road, Nottingham.
8101	Oct. 1920	Perkin, Herbert	17, Welldon Crescent, Harrow.
5011	A. Oct. 1906 F. Dec. 1920	*Perkins, Samuel Barclay ..	25, Handen Road, Lee, S.E.
3721	A. Oct. 1900 F. Jan. 1908	*Perks, Hugh Earl	2, St. Paul's Square, Bedford, a 273, The Sanctuary, S.W.1.
1389	A. Apr. 1887 F. Oct. 1913	Perks, Sydney, F.S.A., F.R.I.B.A.	The Guildhall, E.C.
2106	May 1891	Perriam, Alfred Joseph ..	41, Quadrant Road, Thornton Hea
4495	A. Oct. 1904 F. Apr. 1921	*Perry, Charles William ..	18, Spencer Avenue, Palmer's Gre N.13. (Middlesex.)
3579	A. Oct. 1899 F. June 1911	*Petch, John Stonehouse ..	Estate Office, Wentworth Cas Barnsley, Yorkshire.
5012	A. Oct. 1906 F. Apr. 1919	*Peter, Francis	Lealands, Wotton, Gloucester.
8836	Jan. 1922	Peters, James	11/12, Finsbury Square, E.C.2.
1252	Feb. 1885	*Peto, James Winder..	6, Market Place, Reading.
3881	A. Oct. 1901 F. Dec. 1902	*Petter, Albert Edward.. ..	25, Great George Street, Park Stre Bristol.
5838	Oct. 1910	Phibbs, Harry, A.R.I.B.A. ..	Grindelford School, Derbyshire.
8373	Oct. 1921	Philip, William Watt ..	Lee & Carnwath Estates Offic Cartland Mains, Lanark.
1652	Dec. 1889	Phillips, William Edwin ..	43, Gwydr Mansions, Hove, Suss
5245	A. Oct. 1907 F. Apr. 1921	*Phillips, William Newton	10, Abbots Walk, Reading.
4235	A. Oct. 1903 F. Oct. 1915	*§‡Philpot, Clifford Needham	Priests House, Flixton, Bunga Suffolk.
6493	Oct. 1912	*Phipps, Fredrick Reginald ..	Room 90, Ministry of Transp (Roads), 7, Whitehall Gdns., S.W
5752	A. Oct. 1909 F. July 1921	*Pierce, Edward Lemuel ..	Valuer's Office, Inland Rever Romford, Essex.
7754	Nov. 1918	Pierce, William	Shirley Estate Office, Carrickmacr
7908	A. Nov 1918 F. Oct. 1920	*Pierpoint, Reginald	12, Tib Lane, Cross Street, Manches
7909	A. Nov. 1918 F. Oct. 1923	*Pikesley, Alfred	47, St. Peter's Street, St. Albans, H

‡ Special Forestry Diploma.

	Date of Election and of Transfer	FELLOWS.	Address.
3	A. May 1883 F. Nov. 1886	*†Pilditch, Sir Philip Edward, M.P.	Old Bond Street House, 6-8, Old Bond Street, W.
5	A. Oct. 1912 F. Mar. 1920	*Pilley, Herbert Anthony Rosser	29, King Street, Gravesend, Kent.
6	A. Oct. 1903 F. Apr. 1919	*Pinckney, Henry Christopher	Furness Estate Office, Grantley, Ripon, Yorks.
4	Jan. 1890	Pinks, Edwin Charles	Parliament Mansions, Victoria St., S.W.
9	A. Oct. 1896 F. Oct. 1897	*Pinney, Frederick Wyldbore Digby	6, Waterloo Street, Birmingham.
3	A. Oct. 1901 F. Nov. 1908	*Pinsent, Francis Wingfield Homfray	Inland Revenue, Barclay's Bank Chambers, Plymouth.
3	A. Oct. 1900 F Feb. 1919	*Pinson, Gilbert..	Cobden Buildings, 67A, Corporation Street, Birmingham.
0	A. Oct. 1905 F. Jan. 1912	*Pitt, Joseph Henry..	14, Harvist Road, Brondesbury Road, N.W. (Middlesex).
5	A. Oct. 1900 F. Sept. 1917	*Plant, William, A.M.I.C.E. ..	Borough Hall, Stafford.
3	Nov. 1918	*Platt, Frederick William ..	Housing Dept., Town Hall, Manchester.
2	A. Nov 1918 F. Oct. 1920	*Platt, John Crawfurd ..	18, Wolverton Gardens, W.6.
7	Jan. 1922	Pople, Arthur William ..	Royal Liver Buildings, Liverpool.
8	A. Feb. 1907 F. Apr. 1922	*Porter, Evelyn de Bock ..	Valuation Office, 38, Lansdowne Road, Tottenham, N.17 (Middlesex).
9	Nov. 1891	Porter, John Merry	Estate Office, Colwyn Bay, North Wales
6	A. Oct. 1906 F. Feb. 1908	*Porter, Oliver John	45, Bedford Row, W.C.2.
1	Oct. 1921	*Porter, Richard Ewhurst, M.C.	Rydal Estate Office, Ambleside, Westmorland.
9	A. Oct. 1903 F. Dec. 1920	*Porter, Sydney Lawrance..	7, John Street. Adelphi, W.C.2.
0	Feb. 1912	Pott, Walter, O.B.E.	Warren Garth, Courtenay Road, Winchester.
7	A. Jan. 1891 F. Nov. 1894	*Potter, Herbert George ..	47, Heath Street, Hampstead, N.W.
4	A. Oct. 1901 F. Nov. 1907	*Pottier, George Louis	53, Marchmont Road, Wallington, Surrey.
6	Nov. 1890	Powell, Frederick Atkinson, F.R.I.B.A.	344, Kennington Road, S.E., and Agincourt Square, Monmouth.
2	A. Dec. 1883 F. Mar. 1891	Powell, Hubert John	Hill Lodge, Lewes, Sussex.
2	A. Feb. 1874 F. Nov. 1880	Powell, Reginald Henry (*Member of Council*)	Estate Office, Lewes, Sussex.
7	A. Oct. 1906 F. July 1921	*Powell, Wallace Gerald	City Engineer's Office, Norwich.
3	A. Oct. 1905 F. Nov. 1913	*Power, Percy Tomes	c/o Gale, Power & Co., 122, High Street, Staines, Middlesex.
5	Oct. 1919	Power-Steele, William ..	General Valuation Office, 5, Ely Place, Dublin.
3	A. Nov. 1892 F. June 1896	*Prall, Herbert Alexander ..	150, Eastgate, Rochester, and 22 Lowfield Street, Dartford, Kent.

† Special Sanitary Science Diploma.

Dip. No.	Date of Election and of Transfer	FELLOWS.	Address.
3628	A. Feb. 1900 F. Oct. 1911	*Pratt, Frank Percy..	23, Eastern Road, Romford, Essex.
5247	A. Oct. 1907 F. Apr. 1919	*Pratt, Jermyn Harold	Estate Office, St. Giles, Salisbury.
5755	A. Oct. 1909 F. July 1922	*Preston, Eric Watson ..	Curlew Hope, Weybridge, Surrey.
1536	A. Dec. 1888 F. Dec. 1892	*Preston, Samuel David	36, Shenley Road, Camberwell, S.E.
3314	A. Feb. 1898 F. Dec. 1922	*Price, Capel Hereward ...	5, Great College Street, Westminster Abbey, S.W.1.
8838	Jan. 1922	Price, Mansfield	Salatin, Sutton, Surrey.
2644	A. Nov. 1892 F. Nov. 1895	*Price, Richard Arnold	103, High Street, Clapham, S.W.
5521	A. Oct. 1908 F. Apr. 1919	*Price, Robert Henry, M.R.A.C.	Home Cottage, Richmond Avenue, Bognor, Sussex.
7755	Nov. 1918	Price, Victor Theophilus, B.A.	3, Crosthwaite Park, Kingstown, Co. Dublin.
6029	A. Oct. 1910 F. Apr. 1922	*Price, William Harry Lyne	272, Farnham Road, Farnham Royal, Bucks.
4500	A. Oct. 1904 F. May 1909	*Prickard, Thomas Francis Vaughan	Duchy of Lancaster Office, Lancaster Place, Strand, W.C.
2107	May 1891	Pridmore, Albert Edward ..	2, Broad Street Buildings, E.C.
1857	Nov. 1890	Pridmore, Arthur Stirling ..	43, Doughty Street, W.C.1.
4055	A. Oct. 1902 F. Nov. 1908	*‡§Pritchard, Henry A.	Forestry Commission, 1, Whitehall, S.W.1.
2708	A. Oct. 1894 F. Mar. 1899	*Pritchard, Herbert Alfred, M.B.E.	13, Fitzalan Place, Cardiff.
3629	A. Feb. 1900 F. Dec. 1903	*Protheroe, Alfred Ernest ..	67 and 68, Cheapside, E.C.
8839	Jan. 1, 1922	Prower, Ernest Edward ..	13, South Square, Gray's Inn, W.C.1.
8358	A. Oct. 1911 F. Dec. 1918	*Prowse, Albert Edward, M.B.E.	Lambton House, Birtley, Co. Durham
1680	A. Dec. 1889 F. Apr. 1922	Puckridge, Percival Martin	Milton Pewsey. Wilts.
4240	A. Oct. 1903 F. Oct. 1910	*Puddicombe, William Phippen	Corporation Offices, Aberystwyth, Cardiganshire.
2686	A. Oct. 1894 F. Oct. 1900	*Pugh-Jones, David	County Architect, County Hall, Cardiff, and Colchester Avenue, Cardiff, Glamorganshire.
1694	A. Jan. 1890 F. Feb. 1895	*Punchard, Frederick Burt ..	Fairbank, Kirkby Lonsdale, Westmorland.
5359	Feb. 1898	Purdie, Anthony	241, West George Street, Glasgow.
5359	Feb. 1908	*Pursey, Charles	Council Offices, Shepton Mallet, Somersetshire.
5373	Oct. 1908	Purves, James..	Dunskey Estate Office, Portpatrick, N.
2984	A. Oct. 1895 F. Jan. 1897	*Purvis, Charles James	417, New Cross Road, New Cross, S.
3120	A. Oct. 1896 F. Sep. 1903	*Pyle, Benjamin Thomas Rice..	Town Grove, Hatfield Heath, Harlow, Essex.

‡ Special Forestry Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
Jan. 1922	QUAIL, JOHN	The Rhodes Building, St. George's Street, Cape Town, S. Africa.
A. Oct. 1911 F. Dec. 1921	*RACKHAM, HAROLD WILFRED..	Engineer and Surveyor to Hendon R.D.C., Stanmore, Middlesex.
A. Oct. 1911 F. June 1919	*RAE, THOMAS HERDMAN	17, Fawcett Street, Sunderland.
A. Oct. 1900 F. Nov. 1901	*RAFFETY, HAROLD VEZEY, O.B.E.	Underwood, Beaconsfield, Bucks.
A. Feb. 1894 F. Oct. 1896	*§RAFFETY, HERBERT WILLIAM ..	Valuation Department, Inland Revenue, Shrewsbury.
A. Oct. 1904 F. July 1913	*RAFFETY, PERCY CHARLES ..	30, High Street, High Wycombe, Bucks.
Feb. 1888	RAIKES, GEORGE WHITTINGTON, COLONEL	Woodville, Leamington.
A. Oct. 1911 F. July 1921	*RALPHS, WALTER	880, Coventry Road, Small Heath, Birmingham.
Feb. 1908	RALSTON, ANDREW AGNEW, O.B.E.	Philpstoun House, West Lothian.
Feb. 1908	RALSTON, CHARLES WALLACE ..	Dabton, Thornhill, Dumfriesshire.
Oct. 1923	*RAMSAY, JAMES DOUGLAS ..	Estates Office, Balmoral, Ballater, Aberdeenshire.
A. Oct. 1910 F. Apr. 1916	*RANDALL, AUGUSTINE ST. GEORGE	District Valuer's Office, Union Street, Coventry.
A. Oct. 1909 F. Apr. 1914	*RANDALL, ERNEST SMITH	Elm House, New Road, Chatham, Kent.
Feb. 1912	RANDALL, JOHN MORGAN ..	Dunraven Estate Office, Bridgend, Glamorganshire.
A. Oct. 1906 F. July 1912	*RANDALL, WILLIAM EDWARD RENWELL, JUN.	251, Maidstone Road, Rochester.
A. Oct. 1902 F. Feb. 1907	*RANDELL, FRANCIS WILLIAM ..	Frondeg, Langland, Swansea.
A. Oct. 1913 F. Dec. 1917	*RANKIN, HENRY ALEXANDER..	County Assessor's Office, 92, Cadzow Street, Hamilton, N.B.
Oct. 1914	RANKINE, DAVID	238, West George Street, Glasgow.
A. Oct. 1912 F. July 1921	*RAWLENCE, ARTHUR RAYMOND	Glenart, Newland, Sherborne, Dorset.
A. Oct. 1904 F. June 1912	*RAWLENCE, DUNCAN ALFRED..	3A, Dean's Yard, Westminster, S.W.
Feb. 1883	RAWLENCE, ERNEST ALFRED (*Member of Council*)	St. Andrew's, Churchfield, Salisbury.

Dip. No.	Date of Election and of Transfer	FELLOWS.	Address.
5020	A. Oct. 1906 F. Sep. 1919	*Rawlence, George Norman ..	c/o Rawlence & Squarey, Salisbury.
3886	A. Oct. 1901 F. May 1910	*Rawlence, James	Estate Office, Wimborne, Dorsetshir
1859	Nov. 1890	Rawlins, Henry Adair, A.R.I.B.A.	10, Old Jewry Chambers, E.C.
2367	Nov. 1891	Rawlins, William	45, King William Street, E.C.
5252	A. Oct. 1907 F. Dec. 1915	*Raymond, Walter Leslie ..	The Estate Office, Golder's Gree N.W. (Middlesex).
1516	Dec. 1888	Rea, John Marcus Beaumont ..	8, Winckley Street, Preston, and Lytha Lancashire.
8389	Oct. 1921	Rea, Sinclair Stevenson ..	6, Ely Place, Dublin.
8842	Jan. 1922	Read, Ernest James	19, Basinghall Street, E.C.
4242	A. Oct. 1903 F. June 1908	*Read, Francis Charles Jennings	City Surveyor's Office, Guildhall, E.
8843	Jan. 1922	Read, Kenmuir Harry, A.R.I.B.A.	Army Educational Corps, Buildi Section, Army Vocational Tra ing Centre, Catterick Camp, Yor
2709	A. Oct. 1894 F. Sep. 1906	*Read, Walter Herbert	The Avenue, West Ealing, W. (Middlesex).
8844	Jan. 1922	Reekes, Charles Rupert ..	22, Buckingham Street, Strand, W.
7764	Nov. 1918	*Rees, Dan John Arthur, M.I.M.M., M.N.A.C.M.	Cofton, Barnt Green, Worcestershi
7652	Nov. 1916	Rees, Robert Thomas	Glandare, Aberdare, Glam.
7573	Oct. 1915	*Rees, Thomas Taliesin, F.R.I.B.A.	May Buildings, North John Stre Liverpool.
7354	A. Oct. 1913 F. Mar. 1920	*Reeves, Charles Westcott	Bramshaw, Uplands Park, Enfie Middlesex.
3121	A. Oct. 1896 F. Oct. 1897	*†Reffell, Charles Arthur ..	Thorney, Ennismore Avenue, Guildfo
6360	A. Oct. 1911 F. July 1921	*Reid, Edward Decimus ..	7, Ashwood Terrace, Thornhill, Su derland, Co. Durham.
4885	Oct. 1906	Remnant, Archibald Charles	Talbot Lodge, Sunny Bank, Sou Norwood, S.E. (Surrey).
937	Apr. 1883	Rendell, Arthur Stephen ..	Market Terrace, Newton Abbot, Dev
7678	Nov. 1916	*Rennie, Joseph	16, Dunearn Street, Glasgow.
5760	A. Oct. 1909 F. Apr. 1921	*Renton, Theodore Rolande Victor	16, Albert Street, Harrogate.
802	A. Apr. 1882 F. Jan. 1890	Rex, Francis Herbert	311, Kentish Town Road, N.W.
7921	A. Nov. 1918 F. Dec. 1923	*Rex, Francis Nicholson ..	311, Kentish Town Road, N.W.5
5254	A. Oct. 1907 F. Oct. 1913	*Reynolds, Arthur Hugh ..	Incewood, Lyndhurst Road, W lasey, Cheshire, and 67, Lord Stre Liverpool.
6833	A. Oct. 1912 F. Nov. 1922	*Rhodes, Bertram, B.Sc. ..	Langley, Muriston Road, Hale Cheshire.
7707	Oct. 1917	Rhodes, Henry	Lane End House, Rotherham, Yo shire.

† Special Sanitary Science Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
Oct. 1913	*Rhodes, James Norman	Electra House, Finsbury Pavement, E.C.
A. Oct. 1904 F. Jan. 1912	*Rice, Benjamin Louis	26, Budge Row, E.C.
A. Oct. 1910 F. June 1919	*Rice, Edward	15, Mostyn Road, Brixton Road, S.W.
A. May 1876 F. Dec. 1881	Rich, Robert	Didcot, Berks.
A. Oct. 1908 F. Dec. 1919	*Richards, Arthur Walter Trollope	169, High Road, Balham, S.W.
A. Oct. 1908 F. Nov. 1922	*Richards, Daniel Herbert..	c/o Orr's Zinc White, Ltd., Widnes, Lancs.
Mar. 1891	Richards, George Edward ..	Stour Lodge, Wimborne, Dorset.
Oct. 1913	*Richards, John	Llwyndern, Welshpool, Montgomeryshire.
A. Oct. 1907 F. Oct. 1909	*†§Richards, Walter Rowe ..	1, Alexandra Villas, Finsbury Park, N.4.
Jan. 1922	Richardson, Arnold Richard	Albion Chambers, King Street, Nottingham.
A. Oct. 1896 F. Apr. 1901	*Richardson, Arthur Bayliffe	10, Honey Lane Market, Cheapside, E.C.2.
A. Oct. 1899 F. Jan. 1922	Richardson, Ernest Edward	35, John Street, Bedford Row, W.C.1.
Feb. 1890	Richardson, George	5, Lonsdale Street, Carlisle.
A. Oct. 1907 F. Apr. 1913	*Richardson, John Stocks ..	Estate Office, Methley, Leeds.
Apr. 1883	Riddle, Frederick Henry Brimble	Junior Constitutional Club, Piccadilly, W.1.
A. Oct. 1906 F. Jan. 1912	*Rider, Sydney Franklin ..	132, Ladbroke Grove, Notting Hill, W.10.
A. Oct. 1899 F. June 1900	*Ridley, Percy Edward	Fire Offices Committee, 65 & 66, Watling Street, E.C.
Jan. 1922	Ridout, Harold	50, Pall Mall, S.W.1.
Oct. 1915	Rigby, Thomas H.	Leaders Buildings, King Street, Wigan, Lancs.
Mar. 1891	Rigden, Francis	Salisbury.
A. Oct. 1909 F. Apr. 1920	*Riggall, Jabez Allan ..	Grimsby, Lincs.
A. Oct. 1909 F. June 1914	*Righton, Charles Shirt ..	18, Market Street, Marple, Cheshire.
Dec. 1888	Righton, Edward Grantham..	High Street, Evesham, Worcestershire.
Jan. 1922	Riley, Henry	11, Victoria Street, Westminster, S.W.1.
Oct. 1904	*Rimmer, John Stanislaus ..	48, Castle Street, Liverpool.
A. Oct. 1902 F. Dec. 1910	*Rippengal, Arthur Henry ..	Brentwood, Essex.
A. Oct. 1915 F. Dec. 1919	*Ritchie, Hugh Victor Ormiston	Stocken Hall, Stretton, Oakham.
Feb. 1899	Robb, William Johnston ..	196, St. Vincent Street, Glasgow.

† Special Sanitary Science Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
8106	Oct. 1920	ROBERTON, JAMES	Morebattle Lofts, Kelso.
5765	A. Oct. 1909 F. Dec. 1922	*ROBERTS, CHARLES MINTO ..	9A, York Street, Bath.
423	A. Jan. 1876 F. Nov. 1890	ROBERTS, CHARLES QUINCEY ..	Newthorpe, Brenchley, Kent.
8848	Jan. 1922	ROBERTS, DAVID ALAN	44, Harley Terrace, Gosforth, Nor umberland.
7531	A. Oct. 1914 F. Apr. 1922	*ROBERTS, EDWARD THOMAS ..	Llanfair Buildings, St. Mary Stre Swansea.
3728	A. Oct. 1900 F. Oct. 1910	*ROBERTS, JOHN, N.D.A.	Maestegfryn, Towyn, Merionethshire
6978	A. Feb. 1913 F. July 1918	*ROBERTS, JOHN HUBERT, CAPT.	61, Wind Street, Swansea.
4780	A. Oct. 1905 F. Apr. 1911	*ROBERTSON, CLEMENT ALBERT..	3 & 4, Lincoln's Inn Fields, W.C.
6037	A. Oct. 1910 F. Apr. 1919	*ROBERTSON, WILLIAM ANDREW	The Rosary, East Leake, Notts.
754	A. Feb. 1882 F. May 1891	ROBEY, ROBERT	Oaklands, East Tytherley, Romse Hants.
2498	A. Feb. 1892 F. Nov. 1895	*ROBINS, PHILIP SEYMOUR	26-32, Abbey House, Victoria Stre S.W.1.
6838	A. Oct. 1912 F. Oct. 1920	*ROBINSON, ALFRED KEON ..	Victoria Chambers, 87, Victoria Str Grimsby, Lincs.
5258	A. Oct. 1907 F. Apr. 1922	*ROBINSON, FRANCIS WALTER..	30, Halford Road, Richmond, Surr
2375	Nov. 1891	ROBINSON, GEORGE EDWARD ..	7, Tacketts Street, Blackburn, Lan shire.
2467	A. Nov. 1891 F. Oct. 1894	*ROBINSON, HENRY HERBERT ..	37, Bedford Row, W.C.
4782	A. Oct. 1905 F. Nov. 1913	*ROBINSON, JAMES CHARLES EVITT	Shirehall, Bedford.
8849	Jan. 1922	ROBINSON, PARKER	Challoner House, W.14.
3256	A. Oct. 1897 F. Oct. 1898	*ROBINSON, THEODORE RICHARD	25, Campden Hill Gardens, Kensi ton, W.
7361	A. Oct. 1913 F. July 1920	*ROBSON, JOHN TEMPLE ..	Alnwick U.D.C., Alnwick, Northu berland.
6364	A. Oct. 1911 F. Oct. 1913	*ROBSON, WALTER	30, Honister Avenue, Newcastle- Tyne.
2863	Sep. 1895	ROCHFORT, WILLIAM	Cahir Abbey, Cahir, Co. Tipperary.
8374	Oct. 1921	RODGER, JAMES	Rockdale Lodge, Abercromby Dri Bridge of Allan, N.B.
8850	Jan. 1922	ROE, ROBERT BENSON.	Kingscourt, Wellington Place, Belfast.
6038	A. Oct. 1910 F. June 1914	*ROFF, HENRY GRIFFITHS	1, Cross Street, Barnstaple, Devon
7574	Oct. 1915	*ROGERS, ARTHUR CECIL	521, Barking Road, Plaistow, (Essex).
6441	Feb. 1912	ROGERS, ARTHUR MECHELEN, MAJOR, S.R.E.S...	Hillside, Sparrows Herne, Bush Herts.
3125	A. Oct. 1896 F. June 1897	*ROGERS, HORACE MORDAUNT ..	37, Bruton Street, W.1.
4784	A. Oct. 1905 F. Oct. 1913	*ROGERS, LEONARD SAMUEL ..	6, Park Lane Mansions, Croydon.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1904 F. June 1912	*ROGERS, MONTAGU STANLEY ..	78, Gloucester Road, South Kensington, S.W.
A. Oct. 1915 F. Dec. 1919	*ROGERS, VIVIAN BARRY, MAJOR, D.S.O., M.C.	50, Belgrave Road, Westminster, S.W.1.
A. May 1883 F. Jan. 1889	*§‖ ROLLESTON, WILLIAM GUSTAVUS STANHOPE	Grey Friars, Leicester.
Oct. 1921	RONALD, DAVID	Chief Engineer, Scottish Board of Health, Edinburgh.
A. Dec. 1886 F. Nov. 1887	*§ROODS, ALFRED	37, Bedford Row, W.C.
A. Oct. 1896 F. May 1900	*§ROOK, JOSEPH TAYLOR	22, Chatsworth Square, Carlisle.
Jan. 1922	ROOKWOOD, JOSEPH	25, Bedford Row, W.C.1.
Oct. 1913	*ROPER, ROBERT GARWOOD ..	39, Bloomsbury Square, W.C.1.
A. Oct. 1903 F. July 1923	*ROSEVEAR, JOHN ASHBURNHAM	335, Upper Richmond Road, East Sheen, S.W.14. (Surrey.)
A. Oct. 1904 F. Oct. 1910	*ROSS, PERCY HAVERY..	8, Lancaster Place, Strand, W.C.
Jan. 1922	ROWE, ALFRED EDWARD PASSMORE	46, Rothbury Terrace, Heaton, Newcastle-on-Tyne.
A. Oct. 1911 F. Dec. 1921	*ROWETT, FREDERICK JOSEPH LANCASTER	Valuation Office, 23, Eastern Road, Romford, Essex.
Oct. 1898	*ROWLAND, JOSEPH SAMUEL ..	190, Station Street, Burton-on-Trent, Staffs.
A. Oct. 1899 F. Nov. 1904	*ROWLANDSON, SAMUEL MESSITER, MAJOR	The College, Durham.
A. Jan. 1890 F. July 1922	ROWLEY, WILLIAM TAYLOR ..	Royston, Herts.
Jan. 1922	ROWSE, ANTHONY	117, Colmore Row, Birmingham.
May 1891	ROYCE, DAVID NEEDHAM	Oakham, Rutland.
A. Feb. 1908 F. Oct. 1920	*ROYDS, GEORGE FREEMAN ..	
A. Oct. 1900 F. Nov. 1908	RUAULT, JOHN GUSTAVE PETER	17, Southampton Street, Bloomsbury, W.C.
A. Oct. 1909 F. Sep. 1919	*§RUBENS, HARRY ISAAC	21, Liverpool Street, E.C.
A. Oct. 1900 F. Nov. 1908	*RUDDLE, FREDERICK CHARLES..	29, Abingdon Street, S.W.1.
A. Oct. 1902 F. Apr. 1923	*RUDDLE, GEORGE WILLIAM ..	233, Brockley Road, S.E.
A. Oct. 1910 F. Dec. 1920	*RUDLER, FREDERICK GEORGE	6, Buckingham Palace Mansions, S.W.1.
A. May 1883 F. Jan. 1890	*RUNDLE, EDWARD COLLINS ..	Bedford Office, Tavistock, Devon.
A. Oct. 1903 F. May 1917	*RUSH, ARTHUR LESLIE	65, High Street, Tunbridge Wells.
A. Dec. 1873 F. Nov. 1875	RUSHWORTH, EDMUND WALTER	22, Savile Row, W.
A. Feb. 1913 F. Oct. 1914	*RUSSELL, FREDERICK JAMES ..	c/o J. and W. Heathcote, The Mart, Derby.
A. Oct. 1903 F. Nov. 1913	*RUSSELL, HUMPHREY GLADSTONE	Jewry House, 28, Old Jewry, E.C.
Oct. 1921	RUSSELL, NELSON	64, Royal Avenue, Belfast.

‖ Sessional Papers Gold Medal.

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1547	Jan. 1889	RUTHERFORD, JAMES AUGUSTINE (*Member of Council*)	Estate Office, Highclere Park, Newbur
3772	A. Feb. 1901 F. Nov. 1912	*RUTLEY, ARTHUR DENNETT ..	Estate Office, Woldingham Statio Surrey.
1818	May 1890	RUTLEY, FRANK	11, Dowgate Hill, E.C.
4337	Oct. 1904	RUTTLEDGE, THOMAS F.	Rossmally, Westport, Co. Mayo.
8391	Oct. 1921	RYAN, JOHN	6, Ely Place, Dublin.
466	A. Dec. 1876 F. Nov. 1880	RYDE, ARTHUR LYON (*Past-President*)	49 and 50, Parliament Street, S.W.
4789	A. Oct. 1905 F. Oct. 1918	*RYDE, EDWARD HUMPHREY NOEL	49 and 50, Parliament Street, S.W.
5262	A. Oct. 1907 F. Mar. 1920	*RYLAND, LORENCE	72, Clifden Road, Twickenham, Middlesex.
8930	Nov. 1922	RYLE, HERBERT, O.B.E.	H.M. Office of Works, Storey's Gat S.W.1.
1233	A. Dec. 1884 F. May 1894	*SADLER, GEORGE WILLIAM, A.R.I.B.A.	Duchy of Lancaster Office, Lancast Place, W.C.
4062	A. Oct. 1902 F. Dec. 1921	*SAINSBURY, WILLIAM CHARLES..	165, Westbourne Terrace, W.
7365	A. Oct. 1913 F. Feb. 1918	*ST. JOHN, LOUIS FREDERICK, CAPT.	36 & 37, Great St. Helen's, E.C.3.
4251	A. Oct. 1903 F. June 1912	*SALMON, JOSEPH HAROLD, M.B.E.	Valuer's Department, 5, Peckha Road, Camberwell, S.E.
8118	Oct. 1920	*§SALMOND, STEWART	17, Rosedene Avenue, Streathan S.W.16.
6494	Oct. 1912	*SALMOND, WILLIAM	6, High Street, Dundee.
1788	Apr. 1890	SAMPLE, CHAS. HERBERT, O.B.E., B.A. (*Cantab.*)	Chilliswood, Parkhouse Road, Ge rard's Cross.
1789	Apr. 1890	SAMPLE, WILLIAM COLLINGS ..	Tritlington Hall, Morpeth, Northumbe land.
6997	Oct. 1913	SAMSON, DAVID THOMAS.. ..	Seafield Estates Office, Cullen, Banffshi
8072	A. Oct. 1919 F. Oct. 1920	*§SAMSON, HORACE LUCAS ..	County Land Agent, Cross Stree Peterborough, Northants.
1384	Mar. 1887	SAMUEL, WILLIAM JOHN	42, Mill Street, Bedford.
6846	A. Oct. 1912 F. Mar. 1920	*SAMUEL, WILLIAM WILFRID, F.G.S.	5, Beechwood Road, Swansea.
2116	May 1891	SANCTUARY, CAMPBELL FORTESCUE STAPLETON	Bridport, Dorset.
6847	A. Oct. 1912 F. Dec. 1918	*SANCTUARY, CAMPBELL THOMAS, CAPT...	Bridport, Dorset.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1899 F. Oct. 1909	*Sandell, Stanley Lunau ..	816, High Road, Tottenham, N. (Middlesex).
A. Oct. 1902 F. Nov. 1903	*Sanders, Ingalton	Midland Bank Chambers, 165, High Street, Southampton.
Sep. 1895	Sanders, Robert Massy Dawson	Sanders Park, Charleville, Co. Cork, and 29, St. James's Square, S.W.
Oct. 1910	*Sanderson, William Waite, C.B.E.	Underwood, Riding Mill, Northumberland.
A. Oct. 1895 F. Mar. 1899	*Sandford, Charles Sidney ..	St. James' Street, Sheffield.
A. Feb. 1902 F. Dec. 1920	*†Sands, Hubert Covell, Lic.R.I.B.A.	Amhurst, Guibal Road, Lee, S.E.
Oct. 1912	Sandys, Henry	Dargle, Enniskerry, Co. Wicklow.
A. Feb. 1903 F. Oct. 1913	*Sansom, Willie Stanley Venn	23, Ireton Road, Colchester.
A. Oct. 1904 F. Nov. 1912	*Sargant, Frank Ellison	90, North Side, Wandsworth Common, S.W.
A. Oct. 1904 F. Apr. 1911	*Saunders, Arthur Percival ..	Messrs. Collins & Collins, 37, South Audley Street, W.
A. Jan. 1890 F. Nov. 1892	*Saunders, Charles Herbert ..	150, Finchley Road, Hampstead, N.W.
A. Oct. 1900 F. July 1918	*Saunders, Edgar Walter ..	23, Eastern Road, Romford, Essex.
Oct. 1921	*Saunders, Frederic	3, Staple Inn, W.C.1.
A. Mar. 1882 F. Mar. 1889	Savill, Alfred	Hill House, Dilham, Norwich.
A. Nov. 1890 F. Aug. 1893	*Savill, Sir Edwin, O.B.E. (*Vice-President*)	51, Lincoln's Inn Fields, W.C.2.
A. Feb. 1905 F. July 1907	*§Savill, Henry Norman	51, Lincoln's Inn Fields, W.C.2.
A. Oct. 1894 F. June 1904	*§†Sawyer, John Ashton	Monksacre, Abbott's Road, Winchester.
A. Oct. 1910 F. Dec. 1918	*Sayer, Harvey Robert, A.R.I.B.A., A.M.I.C.E.	4, Holles Street, Cavendish Square, W.1.
Jan. 1922	Sayer, Henry Taylor	81, Kent House Road, Sydenham, S.E.26.
A. Oct. 1908 F. Dec 1920	*Scarlett, John Walter, Jun.	5, Cecil Square, Margate.
A. Nov. 1916 F. Mar. 1920	*§Schofield, Alfred	District Valuer's Office, The Old Skating Rink, Doncaster.
A. Oct. 1894 F. Oct. 1899	*Scott, Archibald Lacy	Bracondale, Grove Road, Bury St. Edmund's.
A. Oct. 1911 F. Nov. 1922	*Scott, Charles William Montagu Douglas	Bradford Estate Office, Weston-under-Lizard, Shifnal, Staffs.
Oct. 1917	Scott, Crawford Allen	Estate Office, Bearsden, Dumbartonshire.
Oct. 1915	*Scott, James	48, Dean Street, Newcastle-on-Tyne.
A. Oct. 1903 F. May 1910	*Scott, John	17, Eldon Square, Newcastle-on-Tyne.
Sep. 1895	Scott, John Russell	Willsboro', Londonderry.

† Special Sanitary Science Diploma. ‡ Special Forestry Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
8856	Jan. 1922	SCOTT, WILLIAM HERBERT ..	18, Queen Street, Cardiff.
8376	Oct. 1921	SCRIMGEOUR, JOHN	Doune Estate Office, Doune, Perth shire.
755	A. Feb. 1882 F. Mar. 1889	SCRIVEN, CHARLES HERBERT ..	Watlington, Grange Road, Lewes.
2647	Oct. 1894	*SCRUBY, WILLIAM THOMAS ..	29, St. Andrew's Street, Cambridge.
3129	A. Oct. 1896 F. Oct. 1899	*SECKER, JOHN EUSTACE	Daresbury, Warrington, Lancashir
5271	A. Oct. 1907 F. Oct. 1911	*SEDGWICK, PERCY GEORGE ..	1, Lewisham Hill, S.E.
3260	A. Oct. 1897 F. Jan. 1902	*SEEL, ROBERT HAROLD	75, St. Mary Street, Cardiff, Glamo ganshire.
7736	Nov. 1918	SELBY, ERNEST HARRY	Caxton House, Westminster, S.W.
1729	A. Feb. 1890 F. Dec. 1922	SELBY, FRANK	44, Chancery Lane, W.C.
6370	A. Oct. 1911 F. Oct. 1913	*SELWYN, WILLIAM INGRAM ..	Estate Office, Addington Street, Waterloo Station, S.E.
1863	Nov. 1890	SENIOR, HARRY SAMUEL	Sturminster Newton, Dorset.
3130	A. Oct. 1896 F. June 1897	*SEXTON, GEORGE ALEXANDER ..	Bank Chambers, 42, High Road, Kilbu N.W.
1049	A. Jan. 1884 F. Mar. 1891	SHACKLE, EDWARD NEILD.. ..	25, Mount Street, Grosvenor Square
4794	A. Oct. 1905 F. Nov. 1922	*SHARP, HERBERT FIRTH	1, Brigg's Villas, Queensbury, Bra ford.
8107	Oct. 1920	SHARP, JAMES DANIEL, CAPT. ..	Headquarters, Scottish Command, Cockburn Street, Edinburgh.
3301	Feb. 1898	SHARP, JOHN GRANT	172, Buchanan Street, Glasgow.
5273	A. Oct. 1907 F. Apl. 1915	*SHAW, CHARLES WILLIAM ..	Church Street Chambers, Dewsbur Yorkshire.
8857	Jan. 1922	SHAW, CHRISTOPHER PEARSON	Esk Dale, Bingham, Nottingham
3261	A. Oct. 1897 F. Oct. 1898	*SHEARBURN, HARRY, B.A. (*Cantab.*)	Munstead, Godalming, Surrey.
8858	Jan. 1922	SHEARBURN, WILLIAM	39, South Street, Dorking.
7716	Oct. 1917	*SHEFFIELD, NOEL DENNIS ..	18, St. Thomas's Street, Lond Bridge, S.E.1.
8392	Oct. 1921	SHELLARD, THOMAS VINCENT	23, South Frederick Street, Dubl
1819	May 1890	SHELMERDINE, HENRY	59, Albert Road, Southport, Lan
4795	A. Oct. 1905 F. Nov. 1913	*SHEPHARD, JOSEPH ERNEST ..	274 & 275, Upper Street, Islington,
6853	A. Oct. 1912 F. Nov. 1917	*SHEPHERD, WILLIAM, MAJOR	Valuation Department, Edinbur Counties, 53, Hanover Stre Edinburgh.
8859	Jan. 1922	SHEPHERD, WILLIAM	33, Furnival Street, E.C.1.
9143	Oct. 1923	SHEPPARD, HERCULES REID ..	General Valuation Dept., Dublin
7658	Nov. 1916	SHEPPARD, VIVIAN LEE .. .. OSBORNE	Surveyor-General, The Survey Egypt, Giza (Mudiriya), Egypt
7933	A Nov 1918 F. Dec. 1921	*SHERLOCK, EDWARD DENTON ..	25, Lever Street, Manchester.
4525	A. Oct. 1904 F. Oct. 1915	*SHERWIN, HENRY EDWARD (*Member of Council*)	7, Little College Street, Westmins S.W.

Date of Election and of Transfer	FELLOWS.	Address.
A. Jan. 1882 F. Dec. 1887	SHERWIN, JOSEPH HENRY.. ..	7, Little College Street, Westminster, S.W.
A Oct. 1912 F. Oct. 1920	*SHINER, FREDERIC WALTER ..	Elmhurst, High View Avenue, Gray's, Essex.
A. Oct. 1910 F. July 1922	*SHIRLEY, HENRY TOWNSEND	3, Whittinghame Terrace, Jordanhill, Glasgow.
Oct. 1903	SHORT, ERNEST WILLIAM GEORGE, MAJ., C.B.E. F.R.I.B.A., S.R.E.S.	R.E. Office, Bulford Camp, Salisbury Plain.
A. Feb. 1910 F. July 1920	*SHORT, JOHN RODWELL	35, Aldermary Road, Bromley, Kent.
A. Oct. 1913 F. Dec. 1920	*SHORTALL, JOHN FRANCIS ..	District Office of Public Works, Maryborough, Queens County.
Oct. 1915	*SHOWERS, FRANCIS WILLIAM ..	Fairlawn, Caversham, Reading.
A. Oct. 1895 F. June 1900	*SHUFFLEBOTHAM, JOHN HENRY..	Hazelford, Mount Nebo, Taunton, Somerset.
Oct. 1903	*SILCOCK, EDWARD JOHN, M.I.C.E.	25, Victoria Street, S.W.1, and 10, Park Row, Leeds.
A. Jan. 1881 F. May 1883	*SILCOCK, THOMAS BALL, B.SC. (*Lond.*)	26, Green Park, Bath.
Jan. 1922	SILK, CHRISTOPHER	33, Newhall Street, Birmingham.
Oct. 1923	SILVESTER, ARTHUR	H.M.O.W., Westminster, S.W.1.
Feb. 1906	SILVESTER, GEORGE	7, Adam Street, Strand, W.C.
A. Oct. 1919 F. Dec. 1921	*SILVESTER, SIDNEY BARTLETT ..	"Kinlough," Purley Downs Road, Purley, Surrey.
A. Oct. 1912 F. Nov. 1913	*†SIMMONS, EDGAR JOHN	Station Place, Letchworth, Herts.
A. Nov. 1882 F. Aug. 1891	SIMMONS, SIR W. ANKER, K.B.E.	Henley-on-Thames, Oxfordshire, and Basingstoke, Hants.
Feb. 1910	SIMPSON, CECIL JOHN WILLIAM..	24, Mount Park Crescent, Ealing, W.5 (Middlesex).
May 1888	SIMPSON, ROBERT THOMAS.. ..	Horsecroft, Bury St. Edmund's, Suffolk.
A. Oct. 1920 F. July 1923	*SIMPSON, WILLIAM LEONARD ..	Horsecroft, Bury St. Edmund's Suffolk.
A. Oct. 1909 F. Oct. 1923	*§SISSONS, WILLIAM WYRILL ..	Waterloo Manor, Garforth, Leeds.
A. Oct. 1904 F. Apr. 1922	*SKELT, FREDERICK MITCHELL..	50, Threadneedle Street, E.C.2.
A. Nov. 1892 F. May 1897	*SKIPPER, HENRY HERBERT, M.B.E.	Civil Engineer-in-Chief's Dept., Archway, Block South, Admiralty, S.W.1.
A. June 1896 F. Oct. 1898	*SKRIMSHIRE, SAMUEL..	32–34, Theobalds Road, W.C.1.
A. Oct. 1898 F. Feb. 1901	*SKUES, CHARLES AYRE MACKENZIE	Ye Haven, Hockering Road, Woking, Surrey.
A. Oct. 1914 F. Apr. 1919	*SLADE, ARNOLD	Valuation Department, Lincoln's Inn Fields, W.C.
Nov. 1891	SLADE, JAMES BENJAMIN	67 and 68, Cheapside, E.C.
Feb. 1910	*SLATER, ERIC ARNOLD	Town Hall, Colchester, Essex.

† Special Sanitary Science Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
8861	Jan. 1922	SLATER, JAMES DENCH	20, Blythwood Road, Crouch H N.4 (Middlesex).
2638	A. Feb. 1894 F. Feb. 1900	*SLY, JOSEPH TOWNSON	Estate Agency Offices, Rickmansworth Herts.
4529	A. Oct. 1904 F. July 1920	*SMALL, LEONARD JOHN	Surveyor's Office, Farnborough, ne Orpington, Kent.
4067	A. Oct. 1902 F. July 1913	*SMALLEY, WILLIAM	Floraville, 12, Beacon Hill, Camd Road, N.
6126	Oct. 1911	SMART, JAMES	21, Coram Street, W.C.1.
6861	A. Oct. 1912 F. Apr. 1916	*SMITH, ALFRED EDWARD ..	5, St. Andrew Street, Dublin.
4069	A. Oct. 1902 F. Jan. 1908	*SMITH, ARTHUR TELFORD	15, Cheapside, Bradford, Yorkshire.
2989	A. Oct. 1895 F. Oct. 1900	*SMITH, CHARLES GORDON	56, Cannon Street, E.C.
4071	A. Oct. 1902 F. May 1906	*†SMITH, CYRIL HERBERT	Chilvester Hill House, Calne, Wi shire.
1626	May 1889	SMITH, EDWARD	Carlton House, 68, Great Queen Stre Kingsway, W C.
4530	A. Oct. 1904 F. Dec. 1921	*SMITH, ERNEST EDWARD	37, Shepherd's Lane, Dartford, Ken
1484	Apr. 1888	SMITH, FRANK	104, Colmore Row, Birmingham.
2389	Nov. 1891	SMITH, FRANK ADAMS, F.R.I.B.A.	35, New Broad Street, E.C.
2606	A. Oct 1893 F. July 1895	SMITH, FRANK BRAYBROOKE, C.M.G., M.A. (*Cantab.*). ..	School of Agriculture, Cambridge.
1538	A. Dec. 1888 F. Jan. 1890	*§SMITH, FRANK WILLIAM	
2390	Nov. 1891	SMITH, FREDERICK JOHN	21, Portland Street, Southampton.
3428	A. Oct. 1898 F. Dec. 1920	*SMITH, GEORGE HENRY	41, Clivedon Road, Wimbledo S.W.19 (Surrey).
2871	Sep. 1895	SMITH, GEORGE YOUNG	Stradowan, Omagh, Co. Tyrone.
8403	Oct. 1921	*SMITH, GORDON WINTON MACKLIN	Brookfield, Neeld Crescent, Hend N.W.4 (Middlesex.)
8862	Jan. 1922	SMITH, HENRY	37, High Holborn, W.C.1.
3829	A. Oct. 1901 F. Oct. 1918	*SMITH, HUBERT GEORGE	Boughton-Monchelsea, Maidstone.
4264	A. Oct. 1903 F. June 1912	*SMITH, HUGH	Auction Land and Estate Office, Peter's Road, Broadstairs, Kent.
1487	May 1888	SMITH, JOHN THOMPSON	34, John Dalton Street, Manchester.
5854	Oct. 1910	*SMITH, JONAH WALKER	Ministry of Health, Whitehall, S.W
2118	May 1891	SMITH, PERCY PYNE CALDECOTT, O.B.E.	Dragonfield, Sandown, Isle of Wig
3894	A. Oct. 1901 F. Jan. 1907	*SMITH, QUENTIN CULLEN, R.G.A. (S.R.)	Market Place, N. Walsham, and H Street, Mundesley, Norfolk.
9141	Oct. 1923	SMITH, ROLAND INGLEBY ..	Ministry of Finance, 113, Ro Avenue, Belfast.
1820	May 1890	SMITH, SIDNEY	Southwater, Horsham, Sussex.
5778	A. Oct. 1909 F. June 1915	*SMITH, SIDNEY	Carlton House, 68, Great Queen Stre W.C.

† Special Sanitary Science Diploma.

Mp. No.	Date of Election and of Transfer.	FELLOWS.	Address.
72	A. Oct. 1902 F. Jan. 1908	*SMITH, STANLEY ADDISON, MAJOR	Trinity Buildings, New Bridge Street, Newcastle-on-Tyne.
65	A. Oct. 1897 F. Nov. 1900	*§SMITH, SYDNEY ARTHUR	22, Chancery Lane, W.C.
48	Feb. 1908	SMITH, THOMAS	The Castle, Maybole, Ayrshire.
25	Jan. 1922	SMITH, THOMAS SUMNER ..	25, Cross Street, Manchester.
63	Jan. 1922	SMITH, WALTER HENRY, A.R.I.B.A...	18, High Street, Maidstone.
02	A. Oct. 1905 F. Apr. 1922	*SMITH, WILLIAM BOULTON, B.SC., A.M.I.C.E.	Borough Engineer and Surveyor, Maison Dieu Road, Dover.
34	Jan. 1922	SMYTH, JOHN HENRY	Granville House, Arundel Street, Strand, W.C.2.
76	A. Oct. 1911 F. July 1922	*SMYTH-RICHARDS, FREDERICK GEORGE	Tilery Cottage, Filleigh, South Molton, Devon.
72	Feb. 1887	SMYTH-RICHARDS, GEORGE COBLEY, O.B.E.	Estate Office, Castle Hill, near South Molton, Devonshire.
32	A. Oct. 1904 F. Nov. 1912	*SNEATH, FRANK EDGAR	Granville House, 3, Arundel Street, Strand, W.C.
56	A. Oct. 1897 F. Apr. 1923	*SNOW, HENRY CYPRIAN	10, Pocklington's Walk, Leicester.
19	A. Oct. 1915 F. July 1916	*SOAR, ARTHUR COBDEN	Dilkusha, Park Road, Cheam, Surrey.
37	A. Oct. 1913 F. Oct. 1915	*SOLOMONS, ERNEST ALBERT ..	1, Gray's Inn Place, W.C.
79	A. Oct. 1907 F. Oct. 1910	*SOUTH, ARTHUR EDWARD.. ..	1, Victoria Road, Darlington.
01	A. Oct. 1895 F. Oct. 1900	*SOUTHORN, CHARLES HERBERT..	38, The Parade, Leamington Spa, Warwickshire.
07	A. Oct. 1893 F. Nov. 1896	*SOWELS, WILLIAM CLOWES ..	Preston Capes, Byfield, Northamptonshire.
48	Oct. 1911	*SPAIN, JOSEPH, LIEUT.-COL., F.R.I.B.A.	The Nook, East Boldon, S.O., Durham.
56	A. Oct. 1903 F. Apr. 1911	*SPARKE, NORMAN LUSH	c/o Shanghai Land Investment Company, 2, Jin Kee Road, Shanghai, *via* Siberia.
24	Oct. 1914	*SPEED, WILLIAM ROBERT SYDNEY	25, Darlington Street, Wolverhampton, Staffs.
46	Nov. 1918	SPEIRS, ARCHIBALD	74, Canning Street, Glasgow.
06	A. Nov. 1890 F. Apr. 1922	SPELMAN, WILLIAM WILTON RIX	Bank Plain, Norwich.
35	Jan. 1922	SPENCER, GEORGE	79, Gresham Street, E.C.
34	A. Oct. 1904 F. Apr. 1911	*§SPENSLEY, JAMES CALVERT, O.B.E.	L.C.C. Estates Office, Spring Gardens, S.W.1.
39	A. Oct. 1912 F. June 1915	*SPICER, ARTHUR CHARLES.. ..	Valuation Office, 16, Valley Bridge Road, Scarborough.
39	A. Oct. 1908 F. Feb. 1919	*SPOONER, HERBERT JOHN	Estates Office, Millwall, E.14.
66	Jan. 1922	SPRAGUE, ALFRED JAMES HIGHMORE	104, High Holborn, W.C.1.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4268	A. Oct. 1903 F. Dec. 1914	*SPYER, GEORGE, O.B.E.	321-323, Finchley Road, Hampstea N.W.3.
1822	May 1890	SQUAREY, NEWELL WILLIAM PITTS	Bemerton, Salisbury.
1277	Dec. 1885	STACEY, HARRIE..	Station Road, Redhill, Surrey
4805	A. Oct. 1905 F. Sep. 1919	*STACEY, MICHAEL BEDE	Gresham Buildings, Redhill, Surr
7709	Oct. 1917	STALEY, FRANK GEOFFREY, CAPT., R.E.	Roads Department, Ministry Transport, Whitehall, S.W.1.
2393	Nov. 1891	STALLARD, ALFRED EDWIN ..	West Street, Havant, Hants.
2394	Nov. 1891	STALLARD, WILLIAM	St. John's House, St. John's, Worcest and Worcester Chambers, Worcest
5037	A. Oct. 1906 F. July 1921	*STAMPER, THOMAS HENRY GILBORN	Assistant Surveyor to Govt. of Bo bay, Poona, Bombay Presiden
6870	A. Oct. 1912 F. Apr. 1920	*STANBRIDGE, ARCHIBALD ROBERT	22, Watery Lane, Merton Pa S.W.19 (Surrey).
2395	Nov. 1891	STANFORD, CHARLES MAURICE..	23, High Street, Colchester, Essex.
3269	A. Oct. 1897 F. July 1901	*STANFORD, GEORGE	3A, Dean's Yard, Westminster, S.W and 102, Wokingham Road, Readi
2120	May 1891	STANHAM, GEORGE GORDON ..	26 & 27, Bush Lane, Cannon Street, E
7479	Oct. 1914	STANLEY, HARRY MERRIDEW ..	50, Threadneedle Street, E.C.
1437	Jan. 1888	STANLEY-DODGSON, STANLEY DICKINSON	Estate Office, Somerset House, Whi haven, Cumberland.
8867	Jan. 1922	STANTIALL, FREDERICK CHRISTOPHER	Borough Architect's Office, Swans
3431	A. Oct. 1898 F. Nov. 1908	*STANTON, FREDERICK WILLIAM SCHULTHEISS, A.M.I.C.E. ..	Maidstone Road, Chatham.
2609	A. Oct. 1893 F. Oct. 1894	*STAPLEDON, ERNEST ALLEN ..	Bridge Chambers, Bideford, No Devon.
3735	A. Oct. 1900 F. Dec. 1919	*STEAD, EDWARD JOHN, A.M.I.C.E.	County Surveyor's Office, 49, Hi Street, Weston-super-Mare.
6058	A. Oct. 1910 F. July 1921	*STEEL, ALEXANDER MCKEAND	The Holt, South Road, Taunton.
7747	Nov. 1918	STEEL, JAMES, M.A.	502, St. Vincent Street, Glasgow.
469	Jan. 1877	STENNING, SIR ALEXANDER ROSE F.R.I.B.A. (*Past-President*) ..	121, Cannon Street, E.C.
8868	Jan. 1922	STEPHEN, JAMES EMIL	Mollington, Chester.
3898	A. Oct. 1901 F. Jan. 1907	*STEPHENS, JOHN KYLE	13, Donegall Square North, Belfast
4338	Oct. 1904	STEPHENS, SAMUEL	13, Donegall Square North, Belfast.
8362	Oct. 1921	STEPHENSON, GEORGE	Falcon Court, 32, Fleet Street, E
5781	A. Oct. 1909 F. June 1919	*STEVENS, BENJAMIN	20, Cornfield Road, Eastbourne.
1823	May 1890	STEVENS, CHARLES VIVIAN ..	56, Buckingham Gate, Victoria Stre Westminster, S.W.
2397	Nov. 1891	STEVENS, JOHN WM., A.R.I.B.A.	16, Godliman Street, Queen Victo Street, E.C.
4806	A. Oct. 1905 F. June 1914	*STEVENS, NICHOLAS RICHARD ..	1, Alexandra Villas, Finsbury Park,

Dip. No.	Date of Election and of Transfer	FELLOWS.	Address.
280	A. Oct. 1907 F. July 1919	*STEVENS, WILLIAM FREDERICK HOOD	7, Hobart Place, Grosvenor Gardens, S.W.1.
392	A. Oct. 1913 F. Sep. 1919	*STEVENS, WILMOT DRIFFIELD ..	Land Valuation Department, 16, Valley Bridge Parade, Scarborough.
83	Oct. 1897	STEVENSON, ALLAN	14, Cathcart Street, Ayr, N.B.
74	Oct. 1919	STEVENSON, ARTHUR GAVIN ..	Greygarth, Budleigh Salterton, Devon.
10	A. Jan. 1882 F. Oct. 1915	STEVENSON, FREDERICK JOHN ..	Daledene Lodge, Silverdale Road, Eastbourne.
70	A. Oct. 1903 F. Oct. 1910	*STEWARD, CLIFFORD THOMAS ..	45, Parliament Street, S.W.
63	Oct. 1921	STEWARD, HERBERT ARTHUR	45, Parliament Street, S.W.1.
74	Sep. 1895	STEWART, RIGHT HONBLE. GEORGE FRANCIS (*Past-President*)	Summerhill, Killiney, Co. Dublin.
71	A. Oct. 1903 F. Apr. 1914	*STEWART, HARRY S., A.R.I.B.A...	Ministry of Health, Whitehall, S.W., and Bracken Hill, Limpsfield, Surrey.
36	A. Oct. 1900 F. July 1901	*STEWART, HENRY PAKENHAM ..	6, Leinster Street, Dublin.
48	Nov. 1918	STEWART, JAMES BUNTING ..	228, Cambridge Street, Glasgow.
19	Oct. 1920	*STEWART, MARSHALL SOPHOS	28, Fisher Street, Swansea.
93	Oct. 1921	STEWART, PAKENHAM THOMAS	Valuation Office, Cork.
86	Oct. 1919	STEWART, ROBERT HENRY RYNN	6, Leinster Street, Dublin.
21	May 1891	STOCKS, FREDERICK WILLIAM. .	Town Hall Chambers, Middlewich, Cheshire.
77	Oct. 1915	*STONE, ARNOLD	P.W.D., Bathurst, Gambia, Africa.
38	A. Oct. 1900 F. Oct. 1920	*‡STONE, CYRIL FRANK	Lyngate, Belmont Road, Reigate, Surrey.
43	A. Oct. 1908 F. June 1910	*STONE, EDWARD ALBERT	20, Berkeley Street, Piccadilly, W.1.
99	A. Oct. 1901 F. Jan. 1912	*STONE, FREDERIC..	Estate Office, Elsham, Grimsby, Lincs.
82	A. Oct. 1909 F. July 1920	*STONE HENRY WALCOTT ...	Lloyd Bank Chambers, North Street, Taunton, Somersetshire.
72	A. Oct. 1897 F. July 1907	*STONEHAM, EDWARD RUSSELL .	Orchard House, Crayford, Kent.
64	Oct. 1921	STONER, ALFRED HILLS ..	63–4, New Broad Street, E.C.
75	A. Oct. 1902 F. Jan. 1906	*‡STOOKE, JOHN EDWIN HELLYAR	2, Palace Yard, Hereford.
99	Nov. 1891	STOPHER, THOMAS	Winchester.
33	A. Oct. 1907 F. Feb. 1918	*STOPS, HERBERT JACKSON ..	Wood Burcote Court, Towcester.
41	Nov. 1922	*STORIE, JAMES FOGGO	H.M. Office of Works, 4, Drumsheugh Gardens, Edinburgh.
95	Oct. 1912	*STORY, PHILIP FRANCIS, LT.-COL., D.S.O...	19, Northampton Square, E.C.1.
28	A. Dec. 1882 F. Apr. 1922	STOWER, JOSEPH	43, Chancery Lane, W.C.2.

‡ Special Forestry Diploma.

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4537	A. Oct. 1904 F. Dec. 1910	*Strachan, Charles John ..	62, Haverstock Hill, N.W.3.
8064	A. Oct. 1910 F. Nov. 1922	*Strachan, Robert Gordon ..	Surveyor's Department, New Sc land Yard, S.W.1.
7621	A. Oct. 1915 F. July 1921	*Strickland, William	London Road, Hungerford, Berk
2993	A. Oct. 1895 F. June 1898	*Strouts, Lewis Herbert.. ..	140, Sloane Street, S.W.1.
415	A. Dec. 1875 F. June 1891	Strutt, The Hon. Edward Gerald, C.H. *(Past-President)*	49, Russell Square, W.C., and Whi lands, Hatfield Peverel, Witha Essex.
6876	A. Oct. 1912 F. Mar. 1920	*Stuart, Francis Donald ..	Valuation Office, 1, Victoria Roa Darlington, Durham.
7756	Nov. 1918	Studdert, Loftus Adam ..	Glenwood, Sixmile Bridge, Co. Clar
1235	A. Dec. 1884 F. Oct. 1911	Sturge, Theodore	11, Orchard Street, Bristol.
3779	Oct. 1901	*Sturt, Charles Edwin	16, St. Stephen's Gardens, East Twick ham, Middlesex.
6877	A. Oct. 1912 F. Dec. 1919	*Suddards, Frank	Exchange Buildings, Skipton-in- Craven, Yorks.
6476	Oct. 1912	Sullivan, William C. L.	60, South Mall, Cork.
5285	A. Oct. 1907 F. Nov. 1916	*Summerfield, Horace	Overdale, Wherwell Road, Guildfor
1978	A. Jan. 1891 F. July 1922	Summerfield, Joseph Charles	43, Chancery Lane, W.C.
7535	A. Oct. 1914 F. Apr. 1922	*Summersell, James Gleed ..	29, Strawberry Hill Road, Stra berry Hill, Middlesex.
5786	A. Oct. 1909 F. June 1914	*Sutcliffe, Albert James.. ..	10, Victoria Street, Liverpool.
8108	Oct. 1920	Sutherland, John Donald	11, Inverleith Row, Edinburgh.
3432	A. Oct. 1898 F. Nov. 1909	*Sutton, Frederick Stanley ..	9, Stone Buildings, Lincoln's Inn, W. and St. Peter's, Hatch End, Middle
1427	A. Dec. 1887 F. Feb. 1892	Swetenham, Henry	49, North Gate Street, Chester.
2878	Sep. 1895	Swiney, William D.	Moyagh, Ramelton, Co. Donegal.
6386	A. Oct. 1911 F. June 1919	*Sykes, Wilfred Elsworth ..	" Ashfield," Hessle, nr. Hull, Yor
4076	A. Oct. 1902 F. July 1922	*Symes, William Charles ..	45, New Bond Street, W.1.
4077	A. Oct. 1902 F. Apr. 1908	*Symmons, Percy James	37, Cranhurst Gardens, Willes Green, N.W. (Middlesex).
5040	A. Oct. 1906 F. Mar. 1920	*§Symons, Gilbert George, M.C.	Messrs. Barker, Coppack & Wickha St. Werburgh's Chambers, Ches
6069	A. Oct. 1910 F. June 1919	*Syms, Reginald Hardy, Major	1, Cleveland Avenue, Chiswick, W (Middlesex).
2879	Sep. 1895	Synge, Edward	Estate Office, Dundrum, Dublin.

ip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
75	A. Oct. 1903 F. May 1917	*TAIT, WILLIAM IRONSIDE, MAJOR, O.B.E.	Phoenix Chambers, 84, Colmore Row, Birmingham.
45	A. Nov. 1918 F. Dec. 1919	*TALBOT, JOHN HENRY	70, Broadway Avenue, Wallasey, Cheshire.
02	Feb. 1898	TANNAHILL, ROBERT DUNLOP ..	Lands Valuation Office, Kilmarnock
378	A. Oct. 1912 F. Sep. 1919	*TANNER, ARTHUR RALPH	46, Lincoln's Inn Fields, W.C.
17	May 1886	TANNER, SIR HENRY, C.B., I.S.O., F.R.I.B.A.	3, Hanover Square, W.1.
02	A. Oct. 1901 F. Apr. 1914	*TANNER, RUDOLPH	74, Erpingham Road, Putney, S.W.15
46	A. Nov. 1918 F. July 1921	*TANSLEY, DAVID THOMAS ..	City Surveyor's Office, Town Hall, Manchester.
69	Jan. 1922	TARRANT, HENRY GEORGE ..	35, Heath Street, Hampstead, N.W.3
87	A. Oct. 1907 F. Apr. 1913	*TAYLOR, ALFRED CECIL	3, King Street, Cheapside, E.C.
70	Jan. 1922	TAYLOR, ARTHUR F.	3, Woodfield Road, King's Heath, Birmingham.
05	Nov. 1891	TAYLOR, ARTHUR WILLIAM ..	159, High Street, Putney, S.W.
71	A. Oct. 1910 F. Apl. 1915	*TAYLOR, DAVID HENRY	14, Stanley Avenue, Beckenham.
79	A. Oct. 1902 F. Jan. 1911	*TAYLOR, EDWIN THURLOW ..	Endsleigh, South Drive, St. Anne's-on-Sea.
72	A. Oct. 1910 F. Dec. 1919	*TAYLOR, FRANK GEOFFREY ..	8, Montague Road, Edgbaston, Birmingham.
22	A. Oct. 1915 F. Dec. 1920	*TAYLOR, FREDERIC DENNISON	Jessamine Cottage, Upminster, Essex
89	A. Oct. 1909 F. Apr. 1921	*TAYLOR, GEORGE D.	Chestnut Cottage, Market Hill, Armagh.
71	Jan. 1922	TAYLOR, GEORGE SYLVESTER ..	Queen's College, Paradise Street, Birmingham.
48	A. Nov. 1892 F. Nov. 1895	*TAYLOR, HARRY WILLIAM, A.M.I.C.E.	Cathedral Buildings, Dean Street, Newcastle-on-Tyne.
89	A. Oct. 1907 F. July 1920	*§TAYLOR, JOHN HENLEY ..	Ingleside, Golden Manor, Hanwell, W. (Middlesex).
71	A. Mar. 1888 F. July 1891	TAYLOR, JOHN HERBERT	Turners Hill, Sussex.
76	A. Oct. 1903 F. Oct. 1910	TAYLOR, JOHN JAMES	11, Little College Street, Westminster, S.W.
80	A. Oct. 1912 F. Apr. 1923	*TAYLOR, SHEPHERD HOAD, A.M.I.C.E.	Valuation Office, Inland Revenue, 78, King Street, Manchester.
78	A. Feb. 1906 F. Dec. 1919	*TAYLOR, THOMAS OSBORNE ..	25, Grand Avenue, Muswell Hill, N. (Middlesex).
07	Nov. 1891	TAYLOR, THOMAS WALTERS ..	17, Stretford Road, Manchester, S.W.

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3740	A. Oct. 1900 F. Oct. 1910	*TAYLOR, WILLIAM HENRY.. ..	23, King Street, Nottingham.
6881	A. Oct. 1912 F. Dec. 1920	*TAYLOR, WILLIAM JOHN PALMER	25, Clare Street, Bristol.
6389	A. Oct. 1911 F. Nov.1916	‡§*TAYLOR, WILLIAM LING ..	100, Cromwell Road, S.W.7.
4812	A. Oct. 1905 F. Oct. 1920	*TEARE, JOSEPH ERNEST.. ..	7, Woodside Terrace, Douglas, Isle Man.
2639	A. Feb. 1894 F. Oct. 1894	*TEE, SAMUEL CLIFFORD	50, Moorgate Street, E.C.
2469	A. Nov. 1891 F. Oct. 1894	*TEMPLE, FREDERICK WILSON ..	69, Sandgate Road, Folkestone, Ken
3906	A. Oct. 1901 F. May 1910	*TERRY, ARTHUR ELLIOTT	District Valuer's Office, 18, Bennet Hill, Birmingham.
4080	A. Oct. 1902 F. May 1909	*TERRY, ERNEST FAIRCHILD ..	Engamer, 19, St. Matthew's Aven Surbiton, Surrey.
7509	Oct. 1914	THACKER, SIDNEY LEONARD ..	39, Union Street, Walsall, Staffs.
2610	A. Oct. 1893 F. Oct. 1898	*§THEAKSTON, WILLIAM PEASE, M.B.E.	Huntingdon.
3053	A. June 1896 F. June 1898	*THEOBALD, JOHN MEDOWS ..	96, Gower Street, W.C.1.
5290	A. Oct. 1907 F. Nov. 1909	*THIRLAWAY, ROBERT	Jesmond Cottage, Winchester Ro Southampton.
7717	Oct. 1917	*THOMAS, ARTHUR LLOYD, M.B.E.	23, Gelliwastad Road, Pontypri S. Wales.
7948	A. Nov. 1918 F. Dec. 1923	*THOMAS, BERNARD CAMPBELL	Bank Chambers, 222, Great Do Street, S.E.
3434	A. Oct. 1898 F. Jan. 1901	*§THOMAS, CHARLES JOHN HOWELL (*Member of Council*)	Inland Revenue, Somerset House, W
1765	Mar. 1890	THOMAS, GLEGGE	Warriston, St. Michael's Haml Liverpool.
2719	A. Oct. 1894 F. July 1901	*THOMAS, ILLTYD	17, Quay Street, Cardiff, Glamorgansh
6077	A. Oct. 1910 F. Apr. 1919	*THOMAS, ROBERT ROGERS.. ..	36, Bryn Road, Swansea.
8872	Jan. 1922	THOMAS, SAMUEL	9, South Parade, Manchester.
5043	A. Oct. 1906 F. Oct. 1914	*THOMERSON, ALBERT	9, Finsbury Square, E.C.
841	Dec. 1882	THOMPSON, ARTHUR EDMUND ..	Leadenhall Buildings, E.C.
6886	A. Oct. 1912 F. June 1919	*THOMPSON, CHARLES WILLIAM WARD, F.R.I.B.A.	Bank Chambers, High Street, Rochester.
7738	Nov. 1918	THOMPSON, CHRISTOPHER ..	18, Wood Street, Bolton, Lancashir
6150	Oct. 1911	*THOMPSON, EDWARD HORACE ..	Southernhay, Hook, Surbiton, Surr
7697	A. Nov. 1916 F. July 1923	*THOMPSON, FRANCIS LONGSTRETH	121, Victoria Street, S.W.1.
2411	Nov. 1891	THOMPSON, FRANCIS WILLIAM..	Fairhaven, Albert Road We Heaton, Bolton, Lancashire.
7742	Nov. 1918	THOMPSON, FRANK COWBURN ..	H.M. Office of Works, King Cha Street, S.W.1.

‡ Special Forestry Diploma.

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35	Oct. 1900	THOMPSON, SIR ROBERT JAMES	5, Homefield Road, Bromley, Kent.
94	A. Oct. 1911 F. July 1918	*THOMSON, CHARLTON, MAJOR ..	5, Cook Street, Liverpool.
44	A. Oct. 1904 F. Oct. 1910	*THOMSON, JOHN LORIMER.. ..	Valuer's Department, 31, Albert Square, Dundee.
73	Jan. 1922	THORNE, EDWARD ALEXANDER	259, Lauderdale Mansions, Maida Vale, W.
12	A. Feb. 1904 F. May 1910	*THORNTON, ARTHUR BRUCE ..	Corner House, London Lane, Bromley Kent.
49	Oct. 1902	*THORP, ROBERT HAYTON	Land of Green Ginger, Hull.
57	A. Feb. 1882 F. Nov. 1889	THORPE, CHRISTOPHER	8, Deganwy Avenue, Llandudno, N. Wales.
22	May 1891	THORPE, JOHN	Market Bosworth, Leicestershire.
22	A. Oct. 1894 F. July 1895	*THRING, DOUGLAS THEODORE ..	Merton College, Oxford.
00	A. Feb. 1892 F. Nov. 1900	*THURGOOD, ALBERT EDWARD ..	Valuer's Office, 8, Southsea Terrace, Portsmouth.
99	A. Oct. 1899 F. Jan. 1922	THURGOOD, LEONARD FIELDER	18, Adam Street, Strand, W.C.2.
91	A. Dec. 1880 F. Nov. 1887	THURNALL, JOHN EDWARD ..	Royston, Herts.
70	Jan. 1884	THYNNE, GUY HARRY..	9, Victoria Street, S.W.
16	A. Oct. 1905 F. Nov. 1913	*THYNNE, REGINALD LAMBERT ..	9, Victoria Street, S.W.
80	A. Oct. 1910 F. July 1916	*TICKLE, ARTHUR GEORGE WARNHAM, F.R.I.B.A.	Architectural Office, Public Works Dept., Hong Kong.
96	A. Oct. 1911 F. Apr. 1923	*TIFFEN, JOHN HALL	20, Lowther Street, Carlisle.
36	A. Oct. 1914 F. July 1923	*TILL, TOM RYMER	23, High Street, Chepstow, Mon.
42	Nov. 1922	*TIMPERLEY, GEORGE KENYON	H.M. Office of Works, Storey's Gate, S.W.1.
73	Feb. 1887	TINDALL, CHARLES WILLIAM ..	Wainfleet, S.O., Lincolnshire.
78	Oct. 1915	*TINKER, HAROLD	5, Imperial Arcade, Huddersfield, Yorks.
51	A. Nov 1918 F. Mar. 1920	*TINSLAY, THOMAS PERCIVAL	26, Wilfred Street, Buckingham Gate, S.W.1
47	A. Oct. 1904 F. Apr. 1911	*TITFORD, HORACE JAMES.. ..	Messrs. Waterer and Dickins, 138 High Street, Bromley, Kent.
41	Jan. 1885	TODD, WILLIAM HENRY, M.I.C.E.	County Buildings, Hull.
38	A. Feb. 1902 F. June 1912	*TOMLIN, FRANCIS FERRIER ..	Chase Bank, Avenue Road, Old Southgate, N.
80	A. Oct 1903 F. Dec. 1922	*TOMLIN, WILLIAM	39, Station Road, Clacton-on-Sea.
38	Jan. 1888	TOMLINSON, THOMAS H.	2, St. James's Street, Derby.
80	A. Oct. 1919 F. July 1923	*TOMMIS, GEORGE HAROLD ..	Ravenswood, Wilmslow, Cheshire.
93	A. Oct. 1912 F. Oct. 1923	*TOMSON, MAYNARD	Bedford House, Luton, Beds.
50	A. Nov. 1892 F. Feb. 1896	*TORY, JOHN EDWARD..	Valuation Department, 51, Queen Street, Exeter.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
447	Apr. 1876	TOWER, BROWNLOW RICHARD CHRISTOPHER	Bridgewater Estate Office, Ellesme Salop.
2736	A. Mar. 1895 F. Oct. 1898	*TOWNEND, WILLIAM	Messrs. T. B. Sanderson & Townen 3, Mosley Street, Newcastle-o Tyne.
6477	Oct. 1912	TOWNSEND, GEORGE C.	Cordangan Manor, Tipperary.
2890	Sep. 1895	TOWNSHEND, CHARLES LOFTUS ..	15, Molesworth Street, Dublin.
2893	Sep. 1895	TOWNSHEND, THOMAS LOFTUS ..	15, Molesworth Street, Dublin.
6400	A. Oct. 1911 F. Apr. 1914	*TRACY, CHARLES FREDERICK ..	308, Brixton Hill, S.W.
3276	A. Oct. 1897 F. May 1903	*TREHEARNE, ALFRED FREDERICK ALDRIDGE	83, Kingsway, W.C.2.
7977	Oct. 1919	TRENCH, GILBERT MACKENZIE	Police Surveyor, New Scotla Yard, S.W.1.
3437	A. Oct. 1898 F. Nov. 1901	*§TRENT, WILLIAM EDWARD	6, Broad Street Place, E.C.
2415	Nov. 1891	TREPPLIN, ERNEST C.	20, Gloucester Place, Portman Squa W.1.
5047	A. Oct. 1906 F. Nov. 1914	*TRESIDDER, HENRY EDMUND ..	24, Marlborough Road, Falmou Cornwall.
592	A. Dec. 1880 F. Jan. 1891	TROLLOPE, HENRY CHARLES ..	45, Parliament Street, S.W.1.
1131	A. Mar. 1884 F. Aug. 1891	TRUMPER, JOHN ALFRED	27, Lincoln's Inn Fields, W.C.
2040	Mar. 1891	TUBBS, WALTER BURNELL	27, Barbican, E.C.
2470	A. Nov. 1891 F. Jan. 1896	*TUCKETT, PERCIVAL FOX (*Member of Council*) ..	2, Basinghall Street, E.C.
8874	Jan. 1922	TUDOR, WILLIAM	2, Wellington Place, Belfast.
4818	A. Oct. 1905 F. Apr. 1911	*†TURNER, BENJAMIN GEORGE ..	Wingrove House, Walmer, Kent.
7510	Oct. 1914	TURNER, DAVID NEVILLE	26, Low Pavement, Nottingham.
6496	Oct. 1912	*TURNER, FRED WETHERELL ..	32, Coton End, Warwick.
8875	Jan. 1922	TURNER, GEORGE ELI	P.O. Box 858, Pretoria, South Afri
8876	Jan. 1922	TURNER, HAMILTON HALL ..	18, Queen Anne's Gate, Westminst S.W.1.
5297	A. Oct. 1907 F. June 1919	*TURNER, HAROLD ERNEST	Union Chambers, Stamford Stre Ashton-under-Lyne.
3601	A. Oct. 1899 F. Apr. 1922	*TURNER, HENRY	121, Watling Street Road, Fulwo near Preston.
3909	A. Oct. 1901 F. Oct. 1919	TURNER, JABEZ TENNYSON ..	Works Department, H.M. Dockya Portsmouth.
1866	Nov. 1890	TURNER, JOSEPH HARLING, C.B.E.	Portland Estate Offices, Kilmarnock
7954	A. Nov. 1918 F. Nov. 1922	*TURNER, LEONARD CECIL ..	Earl of Wilton's Estate, Radcli Lancs.
1394	A. May, 1887 F. Apr. 1922	TURNER, PERCY	1, Old Butter Market, Ipswich.
1520	Dec. 1888	TURNER, THOMAS WARNER ..	Langwith Lodge, Mansfield, Notts.
8899	A. Oct. 1912 F. Sep. 1919	*TURPIN, WILFRID	18, Eldon Square, Newcastle-on-Ty
4323	Oct. 1904	TURTON, FLETCHER THOMAS ..	Hazel Bank, Huyton, Liverpool.

† Special Sanitary Science Diploma.

ip. o.	Date of Election and of Transfer	FELLOWS.	Address
37	Oct. 1898	*Tutt, Edwin Thomas	Market Place, Ampthill, Beds.
77	Jan. 1922	Tyas, Frederick Chapman ..	64, Streatham High Road, S.W.16.
98	A. Jan. 1890 F. Aug. 1893	*Tyler, James William	45, Holborn Viaduct, E.C.
02	A. Oct. 1899 F. Dec. 1905	*Type, Marcus Oswald	87, Edmund Street, Birmingham.
75	A. Feb. 1906 F. July 1920	*Tyser, Grafton Leslie ..	38, Clifton Hill, N.W.
84	A. Oct. 1910 F. Nov. 1922	*Tyson, George Alfred	Whiteaway Buildings, Sixth Avenue Nairobi, Kenya Colony.
78	Jan. 1922	Underwood, William Ernest	1, Northumberland Buildings, Bath
47	A. Oct. 1900 F. July 1901	*Upsdale, Andrew Reed	738, Romford Road, Manor Park, Essex, and 11, Granville Road, Ilford, Essex.
11	Oct. 1914	Vachell, Theodore	Tredegar Chambers, Newport, Mon.
96	A. Feb. 1889 F. June 1910	*Vale, Henry	16, Darlington Street, Wolverhampton, Staffs.
03	A. Oct. 1912 F. Oct. 1913	*Varndell, Charles Edward, F.R.I.B.A.	1, Whitehall, S.W.1.
65	Nov. 1918	*Vaughan, James Henry, A.R.I.B.A.	Metropolitan Bank Chambers, Newport, Mon.
84	A. Oct. 1903 F. Apr. 1911	*Veale, Louis Charles	Spencer House, South Place, E.C.
80	A. Oct. 1897 F. Dec. 1922	*Veit, Leonard James	Westminster City Hall, Charing Cross Road, W.C.2.
49	A. Oct. 1906 F. June 1919	*§Venning, Harry John, A.R.I.B.A.	5, Bedford Row, W.C.
29	Feb. 1876	*Vernon, Arthur (*Past-President*)	The Rockery, High Wycombe, Bucks, and 11, Queen Victoria Street, E.C.
21	A. Oct. 1905 F. June 1906	*Vernon, Arthur Stanley ..	41, High Street, High Wycombe, Bucks, and 11, Queen Victoria Street, E.C.
06	Sep. 1895	Vernon, Fane	Pembroke Estate Office, Wilton Place, Dublin.
44	Oct. 1923	Vernon, Henry Arthur ..	Pembroke Estate Office, 1, Wilton Place, Dublin.
89	Nov. 1891	†Vernon-Inkpen, George Chas.	40, Commercial Road, Portsmouth.
07	Sep. 1895	Verschoyle, William Henry Foster	Woodley, Dundrum, Co. Dublin.
84	A. Oct. 1902 F. Nov. 1903	*Vickers, Alfred Cranstoun ..	13, Hildaville Drive, Westcliff-on-Sea.

† Special Sanitary Science Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4235	A. Oct. 1903 F. June 1910	*Vigers, Astley Allan	4, Frederick's Place, E.C.
5798	A. Oct. 1909 F. Apl. 1915	*Vigers, Geoffrey Leslie	4, Frederick's Place, E.C.
498	A. Jan. 1878 F. Oct. 1883	Vigers, Leslie Robert (*Past-President*)	4, Frederick's Place, E.C.
1496	Nov. 1888	Villar, James	2, Essex Place, Cheltenham, Gloucestershire.
6086	A. Oct. 1910 F. July 1918	*Vine, Wilfrid Gordon	6, George Street, Euston Road, N.W.
4822	A. Oct. 1905 F. Feb. 1919	*†Vining, Eric Leslie Randall	97, Queen Street, Exeter.
2994	A. Oct. 1895 F. Dec. 1898	*Vinten, Harold Bertram ..	72, High Street, Ramsgate, Kent.
4555	A. Oct. 1904 F. Mar. 1920	*Voyce, John	3, Toleman Avenue, Lower Bebington, Cheshire.
1601	Mar. 1889	Wacher, Thomas	Upper Bridge Street, Canterbury.
3748	A. Oct. 1900 F. June 1908	*Wacher, Thomas Blake	2, Upper Bridge Street, Canterbury
8690	A. Oct. 1921 F. Dec. 1922	*Wade, Godfrey Newton ..	County Surveyor's Office, Coun Hall, Newport, Mon.
6905	A. Oct. 1912 F. Oct. 1913	*Wade-Dalton, William Lechmere	Saltram Estate Office, 1, Buckla Terrace, Plymouth.
8880	Jan. 1922	Waggett, Thomas Frederick William	6, Carlton Chambers 12, Rege Street, S.W.
8879	Jan. 1922	Waghorn, Gilbert	9, Adam Street, Adelphi, W.C.2.
5549	A. Oct. 1908 F. Dec. 1918	*Wagstaff, Frederick Howard	54, Gresham Street, E.C.2.
1618	Apr. 1889	Wagstaffe, Thomas Rogers ..	22, New Park Road, Southbourne, Har
1699	A. Jan. 1890 F. Oct. 1910	Wain, George Sparrow	Valuer's Office, 72, Clifden Roa Twickenham, Middlesex.
843	Dec. 1882	Wainwright, Charles Rawlinson	Shepton Mallet, Somerset.
8404	Oct. 1921	*Waite, Donald Mowbray	15, Great Castle Street, Oxfo Street, W.1.
5093	Oct. 1907	*Wakeford, Arthur James ..	184, Clapham Road, S.W.
8881	Jan. 1922	Walder, William Gaskin ..	"Wave Crest," Looe, Cornwall.
8882	Jan. 1922	Walder, William Searcy ..	74, Eccleston Square, Westminst S.W.1.
2895	A. Oct. 1895 F. June 1906	*Waldram, Percy John	Robin's Croft, Second Avenue, He don, N.W.4. (Middlesex).
7512	Oct. 1914	Wales, Henry T.	Prudential Chambers, Castle Stre Swansea.

† Special Sanitary Science Diploma.

p.	Date of Election and of Transfer.	FELLOWS.	Address.
0	A. Oct. 1906 F. Apr. 1913	*WALFORD, EDWARD	Fieldcote, East Grinstead, Sussex.
7	Oct. 1911	WALKER, ALEXANDER, C.B.E. ..	249, George Street, Glasgow.
7	Oct. 1921	WALKER, GEORGE BROWN ..	65, Bath Street, Glasgow.
25	A. Oct. 1913 F. June 1919	*WALKER, GEORGE DUTTON ..	City Surveyor's Office, Town Hall, Manchester.
3	Feb. 1882	WALKER, HERBERT, M.I.C.E., F.R.I.B.A.	408, Mansfield Road, Nottingham.
3	A. Feb. 1904 F. Jan. 1909	*WALKER, HOWARD JAMES	33A, King Street, Wigan, Lancs.
6	A. Oct. 1903 F. Oct. 1909	*WALKER, JAMES WILLIAM BOYD	c/o Hong Kong & Shanghai Banking Corporation, P.O. Box 244, Kuala Lumpur, F.M.S.
6	Feb. 1899	WALKER, JOHN	74, Bath Street, Glasgow.
3	Mar. 1890	WALKER, JOSHUA	Bridge Offices, Bridgegate, Retford, Notts.
4	A. Jan. 1896 F. Apr. 1923	*§WALKER, WILLIAM SELVES ..	22, Moorgate Street, E.C.
0	A. Oct. 1910 F. Nov. 1916	*WALL, JOHN ERNEST	Northcote, Alexandra Road, Malvern.
3	Jan. 1922	WALLACE, ANDREW LOGIE ..	19, Deri Road, Cardiff.
7	Feb. 1899	WALLACE, THOMAS DOUGLAS ..	Callendar Estate Office, Falkirk, N.B.
3	A. Oct. 1905 F. Sep. 1919	*WALLER, HORACE	7, Amersham Hill, High Wycombe, Bucks.
8	A. Dec. 1883 F. May 1897	*WALLIS, JOHN DAVID (*Vice-President*)	Stanecliff, Disley, Cheshire.
5	Feb. 1915	WALLWORK, JESSE	Bridgewater Offices, Walkden, Manchester.
3	A. Oct. 1909 F. Dec. 1919	*WALMESLEY-COTHAM, IVAN ..	Weld-Blundell Estates Office, Birkdale, Southport.
2	Mar. 1891	WALMISLEY, JOSEPH WILLIAM, F.R.I.B.A.	7, King's Terrace, Southsea, Hants.
7	Feb. 1898	WALMSLEY, ARTHUR TINDAL, MAJOR	5, Osborne Villas, Stoke, Devonport.
9	A. Oct. 1900 F. Sep. 1904	*WALSH, FREDERICK LEOPOLD MORFEE, CAPT.	Garrick Chambers, Garrick Street, W.C.2.
7	A. Oct. 1904 F. Dec. 1920	*WALSH, FREDERICK WILLIAM	18, Shoot-up Hill, Hampstead, N.W.
4	Oct. 1908	*WALSH, JOSEPH FREDERICK ..	Museum Chambers, Halifax.
0	A. Oct. 1900 F. Dec. 1902	*WALTER, THOMAS JAMES	Gervis Place, Bournemouth, Hampshire.
5	Oct. 1919	WALTERS, THE RIGHT HON. SIR JOHN TUDOR	4, Stone Buildings, Lincoln's Inn, W.C.2.
0	A. Oct. 1913 F. July 1921	*WALTON, ARTHUR ATKINSON	Exchange Walk, Nottingham.
1	A. Oct. 1910 F. June 1915	*WAPSHOTT, FRANCIS ELLISS ..	Ministry of Health, S.W.1.
6	A. Feb. 1913 F. Apr. 1920	*WARD, ALEXANDER HENRY ..	Cumerrew, Yelverton R.S.O., Devon.
4	Jan. 1922	WARD, CHRISTOPHER JAMES ..	Cefn Mably Chambers, 9, Quay Street, Cardiff.
7	Dec. 1887	WARD, DANIEL	Brooklands, Tavistock, Devon.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
1469	Mar. 1888	WARD, FRANK	Burnville, Tavistock, North Devon.
7628	A. Oct. 1915 F. Sep. 1919	*WARD, HARRY BERNARD ..	Commerce Chambers, 15, Lord Stre Liverpool.
3911	A. Oct. 1901 F. Nov. 1902	*†WARD, HENRY PAYNE	"Burleigh," Reigate Road, Redh Surrey.
8885	Jan. 1922	WARD, JOHN CHARLES	2, New Court, Carey Street, W.C.2.
5053	A. Oct. 1906 F. Nov. 1912	*WARD, REGINALD CHARLES ..	23, Princes Street, Ipswich.
7482	Oct. 1914	WARD, WILLIAM JAMES	Valuation Branch, Ministry of Fina 113, Royal Avenue, Belfast.
8886	Jan. 1922	WARE, EDMUND	43, Imperial Buildings, 20, Exchan Street East, Liverpool.
7559	Oct. 1915	WARE, WILLIAM	6, Pembroke Terrace, Cardiff.
3603	A. Oct. 1899 F. July 1901	*§WARMINGTON, HERBERT ANDREW CROMARTIE	1, Dover Street, Piccadilly, W., a Grange Estate Office, Alresfo Hampshire.
5855	Oct. 1910	*WARR, GEORGE WALTER	Town Hall, Southwick, Sussex.
3282 3946	A. Oct. 1897 F. Oct. 1902	WARWICK, GEORGE ERNEST ..	Ministry of Finance, Valuati Branch, 113, Royal Avenue, B fast.
4558	A. Oct. 1904 F. July 1907	*WATERMAN, BERTIE EDWARD ..	Elm Cottage, Oakfield Lane, Dartfo Kent.
3752	A. Oct. 1900 F. July 1921	*WATERS, FRANK	30, Cattle Market Street, Norwich
5856	Oct. 1910	*WATERS, FREDERICK EBENEZER	Secretary's Office, G.P.O., E.C.
758	A. Feb. 1882 F. Mar. 1887	WATERS, WILLIAM RICHARD ..	c/o Chancellors, Richmond, Surrey.
4824	A. Oct. 1905 F. Nov. 1913	*WATKINS, HAROLD ALFRED ..	Roseville, Princes Road, Weybridg
8365	Oct. 1921	WATKINS, JOHN HUGH	13, Gray's Inn Square, W.C.1.
1101	A. Feb. 1884 F. Mar. 1889	WATKINS, ROBERT ARUNDEL ..	Castle Combe, Chippenham, Wilts.
6412	A. Oct. 1911 F. Mar. 1920	*WATKINSON, HAROLD EDWARD	9, Hemdean Rise, Caversham, Reading.
6459	Oct. 1912	WATNEY, ARTHUR GORDON ..	4A, Frederick's Place, E.C.
1957	Jan. 1891	WATNEY, DENDY (*Vice-President*) ..	4A, Frederick's Place, E.C.
951	A. May 1883 F. Feb. 1887	WATNEY, WALTER DANIEL ..	County Chambers, Northampton
6413	A. Oct. 1911 F. June 1914	*WATSON, CHARLES EDWARD ..	17, Sussex Gardens, Eastbourn Sussex.
6094	A. Oct. 1910 F. Oct. 1914	*WATSON, CHARLES HAVERS ..	366, Streatham High Road, S.W.
3604	A. Oct. 1899 F. May 1905	*WATSON, DAVID ALEXANDER ..	The Estate Office, Watlingto Oxford.
4559	A. Oct. 1904 F. Dec. 1905	*WATSON, ERNEST	15, Lower Grosvenor Place, S.W.1.
7434	A. Oct. 1913 F. Apr. 1921	*WATSON, FREDERICK PERCY	5, Hereford Road, Westbourne Gro W.2.
1998	A. Oct. 1895 F. Nov. 1899	*§WATSON, HERBERT JOHN ..	6, Lendal, York.

† Special Sanitary Science Diploma.

p.	Date of Election and of Transfer.	FELLOWS.	Address.
6	A. Dec. 1884 F. Sep. 1895	*WATSON, JAMES BRUCE	Petworth, Sussex.
5	Nov. 1891	WATSON, JOHN, M.B.E.	Cogan Chambers, Bowlalley Lane, Hull.
0	A. Dec. 1885 F. May 1894	*WATSON, JOHN, M.B.E.	Valuation Office, W. Riding Division, 29, Manor Row, Bradford.
9	Oct. 1915	*WATT, JAMES	75, Union Street, Aberdeen.
2	A. Oct. 1912 F. Dec. 1921	*WATTS, DAVID CHRISTOPHER ..	West House, Cowbridge, Glam.
1	A. Oct. 1908 F. Feb. 1918	*WATTS, ERNEST WILLIAM.. ..	Chairman, Manitoba Tax Commission, Parliament Buildings, Winnipeg, Canada.
8	Dec. 1889	WAY, HENRY JAMES	109, Lower St. James' Street, Newport, Isle of Wight.
5	A. Oct. 1907 F. July 1919	*WAY, LIONEL HUGH	127, Lincolns Inn, 174, Corporation Street, Birmingham.
0	A. Oct. 1904 F. June 1914	*WAYMOUTH, JOHN KENNERLEY	41, High Street, Southend-on-Sea, Essex.
0	A. Oct. 1898 F. Jan. 1904	*WEALL, JOHN GRAHAM	38, High Street, Watford, Hertfordshire.
2	A. Nov. 1892 F. June 1911	*WEATHERHEAD, DAVID WILKINSON	Lowlands, Utley, Keighley, Yorkshire.
3	A. Oct. 1900 F. Sep. 1902	*WEATHERILL, GEORGE FORD ..	Valuation Office, Victoria Avenue, Harrogate, Yorkshire.
	A. Oct. 1906 F. Apr. 1911	*WEBB, CLARENCE ALBERT.. ..	District Valuer's Office, Duke Street, Wrexham.
4	A. Oct. 1912 F. Nov. 1922	WEBB, REGINALD ACHESON ..	Town Engineer, P.O. Box 466, Lagos, Nigeria.
3	Jan. 1922	WEBB, WALTER WILLIAM ..	14, Temple Street, Birmingham.
	Feb. 1890	WEBB, WILLIAM	Estate Office, Silver Lane, Purley, Surrey.
	A. Oct. 1899 F. Nov. 1903	*WEBBER, HENRY STANTON ..	28, Watling Street, E.C.
	A. Oct. 1904 F. June 1906	*WEBBER, WILLIAM HENRY ..	33, Furnival Street, Holborn, W.C.
	A. Oct. 1912 F. Dec. 1919	*WEBSTER, FRANK COUTTS, O.B.E.	Board of Control, 66, Victoria Street, S.W.1.
	Jan. 1922	WEBSTER, GEORGE ARTHUR ..	5, Verulam Buildings, Gray's Inn, W.C.1.
	A. Nov. 1890 F. Feb. 1897	*WEBSTER, HUGH CALTHROP ..	2, Basinghall Street, E.C.
	Oct. 1917	WEEKES, NORMAN BARNETT, A.R.I.B.A.	City Surveyor, Town Hall, Sydney, N.S.W.
	Jan. 1922	WEEKS, ALFRED HENRY.. ..	35, Commercial Street, Newport, Mon.
	A. Oct. 1907 F. June 1919	*§WEETMAN, WILLIAM CHARLES CUMMING	Estate Office, Osberton, Worksop, Notts.
	A. Oct. 1902 F. Dec. 1910	*WELLS ARTHUR HARVEY	8, Stafford Street, Derby.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
2553	A. Nov. 1892 F. Oct. 1896	*Wells, Sir William Henry ..	116, Kensington High Street, W.
2914	Sep 1895	Welply, James	65, George Street, Limerick.
3442	A. Oct. 1898 F. Dec. 1902	*Welsh, Hugh	Willey Estate Office, Broseley, Shropshire.
3152	Feb. 1897	Wenborn, Sidney Thomas, Lt.-Col., s.r.e.s.	102, Watergate Street, Chester.
3913	A. Oct. 1901 F. Apr. 1913	*West, Arthur Smith	7, Haywra Crescent, Harrogate, Yorkshire.
2615	A. Oct. 1893 F. Sep. 1895	*West, Charles Henry Edward, F.R.G.S.	9, Portman Street, Portman Square, W.1.
3607	A. Oct. 1899 F. Dec. 1901	*West, Herbert James	17, York Place, W.1.
8333	A. Oct. 1920 F. July 1921	*Westlake, William John Walter	Clifden House, Brentwood, Middlesex.
4349	Oct 1904	*Weston, Francis, F.S.A.	322, Brixton Road, S.W.
2045	Mar. 1891	Wetherall, Harry Lancaster	Highway, Hartley Wintney, Basingstoke.
8891	Jan. 1922	Wevill, Alfred Edward ..	P.O. Box, 17, Nairobi, Kenya Colony, British East Africa.
3756	A. Oct. 1900 F. Jan. 1907	*Whatley, Ernest James.. ..	Bernere, 31, Rock Road, Cambridge
3139	A. Oct. 1896 F. May 1900	*Wheatley, Stephen Gladstane, Major, r.e.	91, High Street, Poole, Dorset.
2554	A. Nov. 1892 F. June 1897	*Wheeler, John Henry West..	1, Sydney Street, S.W.3, and 4, Hanwood Road, S.W.6.
3757	A. Oct. 1900 F. May 1914	*‡§Wheldon, Martin Lowish ..	5, Coney Street, York
4564	A. Oct. 1904 F. Oct. 1913	*Whiddington, Stanley Dunford	61, Berners Street, Oxford Street,
6099	A. Oct. 1910 F. Oct. 1911	*Whinnerah, William	c/o Thos. Fair and Son, Estate Offi Lytham, Lancs.
5554	A. Oct. 1908 F. Oct. 1910	*Whipp, Thomas William.. ..	15, Valley Bridge Parade, Scarborou Yorkshire.
2616	A. Oct. 1893 F. Oct. 1897	*Whitaker, Ernest Victor ..	8, Mount Ararat Road, Richmon Surrey.
8120	Oct. 1920	*Whitaker, Frederick Archibald	25, Victoria Street, S.W.1.
4089	A. Oct. 1902 F. Sep. 1919	*Whitaker, Hugh	Valuation Office, 8, Stafford Str Derby.
3758	A. Oct. 1900 F. Sep. 1904	*White, Benjamin William ..	11, Queen Victoria Street, E.C.
8892	Jan. 1922	White, Everard, Lieut.-Col. R.E.	The Rhodes Building, St. Geor Street, Cape Town, South Afri
6416	A. Oct. 1911 F. July 1922	*White, John, Jun...	9, Millbrae Crescent, Langside, G gow.
4826	A. Oct. 1905 F. Mar. 1920	*White, John William Edden	19, Hastings Road, Maidstone.
2916	Sep. 1895	White, Richard..	Estate Office, Gowran, Co. Kilkenn

‡ Special Forestry Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1911 F. June 1915	*WHITE, SAMUEL CYRIL	Yelverton Chambers, Yelverton Road, Bournemouth.
Nov. 1922	*WHITE, WALLACE	2, Kingston Road, Didsbury, Manchester.
A. Oct. 1895 F. Apr. 1908	*WHITE, WALTER ERNEST COATES	Arcade Chambers, Friar Street, Reading.
Jan. 1882	WHITELEY, CHARLES PERRY ..	52 & 53, Cheapside, E.C.
A. Oct. 1899 F. Dec. 1921	*WHITELEY, CYPRIAN CHARLES OSWALD, CAPT., O.B.E. ..	52 & 53, Cheapside, E.C.
A. Oct. 1912 F. Feb. 1919	*WHITFIELD, THOMAS WARD ..	Polebarn House, Trowbridge, Wilts.
A. Feb. 1908 F. Apr. 1914	*WHITLOCK, FRANCIS JOHN.. ..	Bank Street, Rugby.
A. Oct. 1894 F. May 1896	*§WHITTAKER, JOHN DRONSFIELD, B.A. (*Cantab.*)	Oxford and Cambridge Club, Pall Mall, S.W.
A. Oct 1900 F. July 1902	*WHITTEN, GEORGE JACKSON, M.B.E.	18, Hopton Road, Streatham, S.W.16.
A. Oct. 1895 F. Nov. 1900	*WHITTON, PERCY..	20, Queen Street, Exeter.
A. Oct. 1907 F. July 1921	*WHYTE, THOMAS	36, North Lindsay Street, Dundee.
Oct. 1923	WICKHAM, EDMUND LOFTUS ..	5, Glenworth Street, Limerick.
Jan. 1922	WICKSTEED, ARCHIE FREDERIC	8, Old Jewry, E.C.
A. Oct. 1901 F. Oct. 1909	*§WIDDICOMBE, CHARLES EDWIN	Valuation Department, King's Lynn, Norfolk.
A. Oct. 1907 F. Oct. 1921	WIDDOWSON, GEORGE CLIFFORD	H.M. Office of Works, S.W.1.
A. Oct. 1905 F. June 1919	*WIGHTMAN, WILLIAM OSBORNE	District Valuer's Office, Reigate Hill Road, Reigate.
A. Oct. 1899 F. Feb. 1904	*WIGLEY, SIDNEY PRUDDEN ..	Winslow, Buckinghamshire.
A. Feb. 1870 F. Nov. 1876	WIGRAM, JOHN	South Collingham, Newark, Notts.
A. Oct. 1898 F. Oct. 1899	*WIGRAM, REGINALD SPENCER ..	Weybourne, Stoke Road, Cobham, Surrey.
Feb. 1892	WILBRAHAM, EDWARD SIDNEY..	Standerwick Court, Frome, Somerset.
A. Jan. 1896 F. Apr. 1922	*WILDE, SIDNEY ALGERNON ..	29, Fleet Street, E.C.4.
Oct. 1911	*WILDING, JAMES	Town Hall, Runcorn, Cheshire.
Jan. 1922	WILDMAN, JOHN TOM ROBINSON	189, Regent Street, W.1.
A. Oct. 1901 F. May 1910	*WILFORD, CECIL MARSHALL ..	Cathedral Chambers, Castle Street, Carlisle.
A. Oct. 1911 F. July 1920	*WILKINSON, ANDREW WOOD ..	Valuation Dept., Inland Revenue, Taunton.
Dec. 1884	WILKINSON, THOMAS	170, North Street, Brighton, and 30A, Western Road, Hove, Sussex.
A. Oct 1902 F. Nov. 1913	*WILKS, CLEMENT	101, Jermyn Street, St. James's, S.W.1.
A. Oct. 1920 F. July 1921	*WILLEY, FREDERICK, F.R.I.B.A.	34, Old Elvet, Durham.
A. Oct. 1899 F. Jan. 1905	*WILLIAMS, ARTHUR CODRINGTON	Estate Office, Kemble House, Cirencester.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
6928	A. Oct 1912 F. Dec. 1920	*WILLIAMS, CHARLES BERNARD, CAPT., M.C.	Salop House, Oswestry, Shropshi
7718	Oct. 1917	*WILLIAMS, DAVID JOHN	Ty Newydd, Garn Dolbenmaen Carnarvonshire.
2435	Nov. 1891	WILLIAMS, GERALD GARNONS ..	Aberclydach, Talybont-on-Usk, Breconshire.
4315	A. Feb. 1904 F. May 1910	*§WILLIAMS, HAROLD, O.B.E. ..	43 and 45, High Street, Croydon.
7968	A. Nov. 1918 F. Oct. 1923	*WILLIAMS, HAROLD CEDRIC ..	72, Victoria Road, Birkenhead.
8897	Jan. 1922	WILLIAMS, JOHN LEWIS	47, Temple Row, Birmingham.
7449	A. Oct. 1913 F. Feb. 1919	*WILLIAMS, JOSEPH	10 & 12, Market Street, Carnarv N. Wales.
3760	A. Oct. 1900 F. Jan. 1908	*WILLIAMS, RICHARD ERNEST HAVARD	The Elms, Struet, Brecon.
568	A. Jan. 1880 F. Apr. 1888	WILLIAMS, WILLIAM HERBERT..	Bredward, Burnham, Bucks.
6631	A. Oct. 1912 F. Nov. 1922	*WILLIAMSON, EDWIN LAWRENCE	207, Union Street, Aberdeen.
8931	Nov. 1922	WILLIAMSON, HENRY BURCOMBE	51, Cromwell Road, Beckenham, K and H.M. Office of Works, Sto Gate, S.W.1
2617	A. Oct. 1893 F. Feb. 1897	*WILLIS, EDWARD, M.I.C.E., M.I.M.E.	Engineer and Surveyor's Departme Town Hall, Chiswick, W. (M dlesex).
2917	Sep. 1895	WILLIS, GILBERT DE LAVAL ..	Leconfield Estates Office, Enni Co. Clare.
807	A. Apr. 1882 F. May 1887	WILLMOT, JOHN (*Past-President*)	6, Waterloo Street, Birmingham.
3918	A. Oct. 1901 F. Nov. 1912	*WILSON, EVERARD JOHN . ..	Messrs. Tuckett & Son, 2, Basingh Street, E.C.
3445	A. Oct. 1898 F. Oct. 1899	*WILSON, FREDERICK ROBERT ..	Bramley Cottage, Station Aven Walton-on-Thames.
6935	A. Oct. 1912 F. Feb. 1918	*§WILSON, JOHN HENRY	4, King Street, Blackburn.
3141	A. Oct. 1896 F. Jan. 1899	*WILSON, LAWRENCE RICHARD ..	Bank of England Chambers, Tib La Manchester.
5808	A. Oct. 1909 F. Dec 1918	*WILSON, MALCOLM MILLAR ..	8, St. Paul's Square, Bedford.
1449	A. Jan. 1888 F. Feb. 1904	*WILSON, WILLIAM EDWARD ..	Land Valuation Office, 78, King Str Manchester.
8121	Oct. 1920	*WILSON, WILLIAM EDWIN ..	Roselea, First Avenue, Lacely Ro Grimsby.
1962	Jan. 1891	WILSON, WILLIAM HENRY ..	5, New Brown Street, Manchester.
5059	A. Oct. 1906 F. July 1912	*WINDER, FRANCIS ARNOLD ..	Corn Exchange Chambers, Sheffield
1963	Jan. 1891	WINTERTON, HARRY JOHN CAMPION (*Member of Council*) ..	St. Mary's Chambers, Lichfield, Staff shire.
1964	Jan. 1891	WINTERTON, WILLIAM MOXON..	The Orchard, Barton-under-Ne wood, Staffs.

Date of Election and of Transfer.	FELLOWS.	Address.
Nov. 1891	WISE, CHARLES DACRES	P.O. Box 583, Salisbury, Rhodesia, S. Africa.
A. Oct. 1908 F. Apr. 1916	*WISE, FREDERICK JOHN ..	21A, High Street, Banbury, Oxon.
A. Oct. 1899 F. Oct. 1911	*WITHAM, JAMES BERNARD ..	7, Bennett Road, near Crumpsall, Manchester.
A. Oct. 1898 F. Jan. 1906	*WONTNER-SMITH, PERCY	Valuers' Office, 29, Romford Road, Stratford, E. (Essex).
A. Oct. 1906 F. Mar. 1909	*WOOD, DOUGLAS, A.R.I.B.A. ..	25, Sackville Street, Piccadilly, and The Cottage, Gordon Avenue, Stanmore, Middlesex.
A. Oct. 1904 F. Apr. 1913	*WOOD, HAROLD	4, South St. Mary's Gate, Grimsby, Lincs.
Oct. 1921	WOOD, HUGH MORRISON ..	124, Rathgar Road, Dublin.
Oct. 1912	WOOD, HUGH REGINALD	Valuation Office, 113, Royal Avenue, Belfast.
Mar. 1888	WOOD, JOHN DANIEL	6, Mount Street, W.
A. Feb. 1898 F. May 1905	*WOOD, JOHN EDWARD	3, Baronsfield Road, St. Margarets-on-Thames, Middlesex.
A. Oct. 1910 F. Nov. 1916	*WOOD, LEONARD	4, South St. Mary's Gate, Grimsby.
A. Oct. 1894 F. Apr. 1901	*‡§WOOD, LESLIE STUART	East Grinstead, Sussex.
Jan. 1922	WOOD, ROBERT	Sandcroft, Purley Oaks Road, Sanderstead, Surrey.
Oct. 1905	*WOODCOCK, ROBERT FRANK ..	c/o Superintending Valuer, 51, Queen Street, Exeter.
Oct. 1923	WOODESON, AUSTIN, F.R.I.B.A.	Public Works Department, Colombo, Ceylon.
A. Oct. 1904 F. Dec. 1915	*WOODHAMS, JAMES PERCY ..	27, High Street, Battle, Sussex.
A. Oct. 1898 F. Apr. 1901	*WOOD-MARTIN, HENRY ROGER BROMHEAD	Cleveragh, Sligo.
A. Nov. 1892 F. Sep. 1895	*WOODS, ARTHUR GEORGE	196, High Street, Hounslow, Middlesex.
May 1891	WOODS, THOMAS	4 and 5, Church Parade, Hounslow, Middlesex.
A. Oct. 1905 F. May 1917	*WOODWARD, HENRY GORDON ..	Station Road, Stowmarket, Suffolk.
A. Jan. 1882 F. Apr. 1890	WOODWARD, WM., F.R.I.B.A. ..	15, Great James' Street, Bedford Row, W.C.1.
A. Oct. 1897 F. Oct. 1898	*WOOF, ROBERT STEPHENSON ..	Lowther, Penrith.
A. Oct. 1915 F. Oct 1920	*WOOLLEY, JOHN STANLEY ..	The Castle Auction Mart, Salisbury.
Mar. 1891	WOOLLEY, JOHN TURTON	Spursholt, Romsey, Hampshire, and The Castle Auction Mart, Salisbury.
A. Oct. 1909 F. June 1914	*WOOLLEY, MAURICE THEODORE	Rectory Place, Loughborough.
A. Oct. 1909 F. Feb. 1918	*WOOLLEY, REGINALD GEORGE	W.D. Land Agents Office, Milldam Barracks, Portsea, Hampshire.

‡ Special Forestry Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
613	Feb. 1881	WOOLLEY, REGINALD SMITH ..	Silver Street, Lincoln, and So Collingham, Newark, Notts.
5813	A. Oct. 1909 F. June 1915	*WOOLLEY, RICHARD MELSOME ..	Salisbury.
7542	A. Oct. 1914 F. July 1921	*WOOSNAM, RALPH WILLIAM ..	Tyn-y-Graig, Builth Wells, R.S. Breconshire.
6428	A. Oct. 1911 F. Apr. 1920	*WOOTTON, THOMAS SYDNEY LEWIS	24, Lime Street, E.C.
5315	A. Oct. 1907 F. May 1917	*WORMLEIGHTON, BERNARD JOSEPH	Surveyor's Office, Town Hall, He Bay, Kent.
5614	Oct. 1909	*WORRALL, ERNEST, M.I.C.E. ..	Stretford Council Offices, Old Traff Lancashire.
7461	A. Oct. 1913 F. Dec. 1920	*WORRALL, JOSEPH RATCLIFFE	28, Northwick Park Road, Harr Middlesex.
8899	Jan. 1922	WORTHY, MICHAEL JOHN ..	15, Lord Street, Liverpool.
5062	A. Oct. 1906 F. July 1920	*§WRAIGHT, GEORGE FREDERICK HAROLD	District Valuer's Office, 38, La downe Road, Tottenham, N (Middlesex).
680	A. Dec. 1881 F. Jan. 1887	WREATHALL, ROBERT T.	13, Victoria Street, Westmins S.W.1., and 1, Sudbury Para Sudbury, N.W. (Middlesex).
4297	A. Oct 1903 F. Feb. 1919	*WRIGHT, CHARLES LEE	21, Cathedral Yard, Exeter.
2442	Nov. 1891	WRIGHT, CHARLES WILLIAM, M.A. (*Cantab.*)	21, Parkinson Street, Nottingham.
4574	A. Oct. 1904 F. June 1912	*WRIGHT, ERNEST HARRY.. ..	9, Thomas Street, Woolwich, Ken
4889	Oct. 1906	*WRIGHT, HERBERT ALFRED ..	35, Pentonville Road, N.
5063	A. Oct. 1906 F. Nov. 1908	*WRIGHT, ISAAC THOMAS	61, West Bank Road, Devonshire I Birkenhead.
7634	A. Oct. 1915 F. Mar. 1920	*WRIGHT, SAMUEL WARE ..	97, Lichfield Road, Great Yarmo Norfolk.
292	Dec. 1872	WRIGHT, WILLIAM EDWARD ..	King's Lynn, Norfolk.
5316	A. Oct. 1907 F. Nov. 1913	*WRIGHT, WILLIAM NEWCOME ..	38, Poultry, Cheapside, E.C.
2726	A. Oct. 1894 F. Dec. 1902	*WYATT, ARCHIBALD, LIEUT., COL., O.B.E., D.L.	East Lodge, Fareham, Hampshire
3448	A. Oct. 1898 F. July 1901	*WYATT, HERBERT GUY BUCKELL	East Street, Chichester, Sussex.
722	Jan. 1882	WYATT, OLIVER NEWMAN.. ..	East Street, Chichester, Sussex.
2620	A. Oct. 1893 F. Nov. 1895	*WYLES, JOHN WALTER	Finsbury Circus House, 10, Bl field Street, E.C.
3924	A. Oct. 1901 F. Nov. 1912	*WYLEY, HENRY CHARLES.. ..	Newmarket Buildings, Bridgnorth, S
1120	Mar. 1884	WYLEY, HENRY JAMES	"Abbeycote," Pershore, Worces shire.
8900	Jan. 1922	WYLIE, ERNEST AVERY	16-17, Devonshire Square, E.C.2.

p.	Date of Election and of Transfer.	FELLOWS.	Address.
4	Oct. 1913	*YALE, GEORGE FREDERICK CUNNINGHAM	Estate Office, Pwllheli, N. Wales.
0	A. Oct. 1911 F. Dec 1921	*YATES, CHARLES WILLIAM, A.R.I.B.A., M.S.A.	65, Northgate Street, Gloucester.
5	Nov. 1891	YORK, HENRY	East Barnet Valley Urban District Council, Station Road, New Barnet, Herts.
3	A. Oct. 1911 F. Dec. 1917	*YOUNG, ALEXANDER	13, Shandon Street, Edinburgh.
0	A. Oct. 1903 F. Apr. 1911	*YOUNG, CHARLES ALEXANDER ..	69, Coleman Street, E.C.
5	A. Oct. 1904 F. Apr. 1913	*YOUNG, CHARLES EDWARD ..	East Street, Barking, Essex.
0	May 1890	YOUNG, DOUGLAS	69, Coleman Street, E.C.
5	Oct. 1921	*YOUNG, ERNEST ALEXANDER	District Surveyor, 155, Rushey Green, S.E.6.
1	Sep. 1895	YOUNG, GEORGE LAWRENCE ..	Randalstown, Co. Antrim.
3	Oct. 1920	YOUNG, HAROLD	Civil Engineer in Chief's Dept., H.M. Dockyard, Rosyth.
0	Feb 1908	YOUNG, HENRY STEPHEN MATTHEWS	Heathfield, Irvine, Ayrshire.
6	A. Oct. 1905 F. July 1922	*YOUNG, HERBERT HENRY ..	11, Tankerville Road, Streatham, S.W.
1	A. Oct. 1902 F. Oct. 1910	*YOUNG, HERBERT OSWALD ..	District Valuer's Office, Greek Street Chambers, Park Row, Leeds.
0	Oct. 1915	YOUNG, JAMES	62, Market Street, Bradford, Yorks.
1	A. Oct. 1900 F. Oct. 1914	*YOUNG, KENNETH JAMES	1, Imperial Buildings, Croydon, Surrey.
4	A. Dec. 1878 F. Feb. 1891	YOUNG, MORGAN HENRY	17, Southampton St., Bloomsbury Square W.C.
7	Nov. 1891	YOUNG, OSWALD WILLIAM	6, Dale Street, Liverpool.
6	Oct. 1923	YOUNG, ROBERT CHICHESTER	Millimount, Randalstown, Co. Antrim.
7	A. Oct. 1905 F. July 1921	*YOUNG, SIDNEY	1, Keymer Road, Burgess Hill, Sussex.
6	Oct. 1921	YOUNG, SIDNEY MICHAEL	104, High Holborn, W.C.1.
8	Nov. 1891	YOUNG, THOMAS	6, Warwick Court, Gray's Inn, W.C.
7	A. Oct. 1906 F. Nov. 1916	*YOUNG, THOMAS, M.B.E., N.D.A.	Edinburgh and East of Scotland College of Agriculture, 13, George Square, Edinburgh.
9	A. Oct. 1897 F. Feb. 1900	*YOUNG, THOMAS JOHN	Harper-Adams College, Newport, Salop.
5	A. Oct. 1913 F. Mar. 1920	*YOUNG, WILLIAM GEORGE ..	13, Branksome Road, Wimbledon, S.W. (Surrey).

Total Number of Fellows, 2,576, carried to Summary, p. 229.

Colonial Fellows.

The names of those Colonial Fellows who have qualified by Examination for the Class of Professional Associate are distinguished thus *
The names of those Colonial Fellows who have qualified by Examination for the Class of Fellows are distinguished thus ¶

Dip. No.	Date of Election.	COLONIAL FELLOWS.	Address.
5324	Oct. 1907	ABRAHAMS, CHARLES VICTOR	c/o Army & Navy Stores, Messrs Henrique & Co., Kingston, Jamaica, B.W.I.
3939	Feb. 1902	ALLEN, RAYMOND CECIL, C.M.G., A.M.I.C.E.	c/o Gordon Allen, 30, York Mansions, Battersea Park, S.W.11.
3781	A. Oct. 1901 C.F. April 1908	*ANDERSON, HENRY, A.M.I.C.E.	Maritima Hotel, la Plage d'Hyères (Var), Cote d'Azur.
5862	A. Oct. 1910 C.F. Mar. 1920	ANNETT, ERNEST TAYLOR ..	Municipal Buildings, Bombay.
5865	A. Oct. 1910 C.F. Aug. 1923	*ATKIN-BERRY, HERBERT COURTENAY, D.S.O., M.C.	c/o W. H. Atkin-Berry, 143, Cannon Street, E.C.4.
3620	Oct. 1899	BAKER, WILLIAM ANTHONY..	Surveyor-General's Office, Kingston, Jamaica, B.W.I.
4577	Oct. 1904	BANCROFT, AUGUSTUS CHARLES	Ladyfield, Golden Grove, Jamaica, B.W.I.
8348	Oct. 1920	BARBER, HERBERT EUSTACE	Calcutta Improvement Trust, 5, Clive Street, Calcutta.
6159	A. Oct. 1911 C.F. Oct. 1918	*BARKER, HOWARD WILLIAM	22, Broadway, Madras, India.
7048	A. Oct. 1913 C.F. Oct. 1922	BERRY, WILLIAM JAMES, N.D.A.	Executive Engineer, Public Health Dept., Government of Bengal, Mercantile Buildings, Calcutta, India.
7637	Oct. 1915	BLANDFORD, STANLEY CHARLES HOOPER	Chief Engineer, Cia Carbonifera-y-de Fundicion, Schwager, Corone Chile, S. America.
8712	Oct. 1921	BLIZARD JAMES MORTIMER	Roman House, Bemerton, Salisbury, Wilts.
4634	A. Oct. 1905 C.F. April 1914	*BLOMFIELD, CHARLES GEOFFREY	13, Rajpur Road, Delhi, India.
8093	Oct. 1919	BONE, CHANDOS ERIC ..	Survey Office, Singapore.
3512	P.A. Oct. 1899 A. June 1919 C.F. Oct. 1923	*BOOTH, ERNEST WITTON, M.B.E., A.M.I.C.E.	26, St. Elmo Road, Egremont, Cheshire.
9127	Oct. 1922	BOURKE, GEFFRARD WELLESLEY	Kingston, Jamaica, B.W.I.

Date of Election.	COLONIAL FELLOWS.	Address.
A. Oct. 1907 F. Oct. 1920 C.F. Dec. 1923	*BRADLEY, BENJAMIN ..	c/o E. S. M. Ltd., Nairobi, E. Africa.
A. Oct. 1896 C.F. July 1917	*BRADSHAW, ARTHUR STANLEY, A.M.I.C.E.	Assist. D.W.P., Sierra Leone, W. Africa.
Oct. 1921	BROWN, WALTER JAMES ..	The Municipality, Singapore, Straits Settlements.
A. Oct. 1901 C.F. July 1920	BROWNE, EUSTACE MONTAGUE	c/o General Manager, Nigerian Railways, West Africa.
A. Oct. 1901 C.F. April 1921	BROWNING, SYDNEY BRODERICK	Mazabuka, North Rhodesia.
A. Oct. 1909 C.F. Oct. 1921	*¶‡BUNNY, JOSEPH	Senior Conservator of Forests, Zaria, Nigeria, West Africa.
F. Jan. 1891 C.F. Dec. 1910	BURCHELL, SIDNEY HERBERT	
A. Oct. 1905 F. Apr. 1908 C.F. Apr. 1923	*BURR, THOMAS ARNOLD ..	c/o The Salvation Army, Ahmedabad, Gujerat, India.
A. Oct. 1903 F. Jan. 1909 C.F. Oct. 1913	*CLARK, HUDSON OWEN ..	Assistant Superintendent of Survey, Ceylon.
Oct. 1908	COGHLAN, HENRY LAKE ..	"Holme Chase," St. George's Avenue, Weybridge, Surrey.
Oct. 1905	COOPER, JOSEPH A. W., M.I.C.E., A.M.I.M.E., CAPT.	Dharwar, India.
Oct. 1912	COUSIN, ROBERT	c/o Jos Post Office, Northern Nigeria.
Feb. 1910	CUERDEN, FREDERICK JAMES	Palm Cottage, Nagpur, Central Provinces, India.
Oct. 1922	DESBLEDS, EDOUARD MARC	Curepipe, Mauritius.
A. Oct. 1911 C.F. July 1921	DICKSON, REGINALD HERBERT BRUCE	Hoboken, Umbali, S. Rhodesia, S. Africa.
A. Oct. 1911 F. Dec. 1920 C.F May 1922	EASTMAN, EDWARD GEORGE, CAPT., O.B.E.	Valuer and Assessor, Municipal Council, Colombo, Ceylon.
A. Oct. 1909 C.F. April 1921	EAMES, LEGH FAIRFAX ..	c/o Standard Bank of South Africa, Clements Lane, Lombard Street, E.C.4.
A. Oct. 1904 C.F. Nov. 1909	*EDWARDES, WILLIAM ARNOLD DONALDSON, MAJOR, M.C.	Topographical Survey, Taiping, Perak, F.M.S.
P.A. Oct. 1904 C.F. July 1920	*¶ERMEN, CUTHBERT EMIL ALBERT	Kuching, Sarawak, Borneo, *via* Singapore.

‡ Special Forestry Diploma.

Dip. No.	Date of Election.	COLONIAL FELLOWS.	Address.
8714	Oct. 1921	FLETCHER, JOSIAH MONK ..	P.W.D., Kingston, Jamaica.
4686	A. Oct. 1905 F. Mar. 1920	*FORTUNE, SIDNEY HERBERT, CAPT. R.E.	Imperial War Graves Commissio Jaffa, Palestine.
4595	Feb. 1905	FOSTER, EDWARD	The Cottage, Montego Bay, P.C Jamaica.
9302	Oct. 1923	FREELAND, ARTHUR EDWARD	Survey of Egypt, Argut, Upp Egypt.
4168	A. Oct. 1903 C.F. Oct. 1910	*GAIRDNER, KENNETH GRAEME	The Bombay Burmah Trading Co poration, Raheng, Siam, *via* Mou van & Myawaddy, Burmah.
6650	Oct. 1912	*GEE, ARTHUR HAROLD ..	P.O., Kampala, Uganda, E. Afric
4692	A. Oct. 1905 C.F. July 1923	*GIBSON, ALAN KEITH ..	c/o British East Africa Corporatio Ltd., Managero, Gilgil, Ken Colony.
4317	Feb. 1904	GURNEY, JAMES STRATTON ..	Thomason Civil Engineering Colleg Roorkee, India.
9303	Oct. 1923	HALLORAN, HENRY FERDINAND	82, Pitt Street, Sydney, New Sou Wales, Australia.
4707	A. Oct. 1905 C.F. Oct. 1915	*¶HARRISON, HAMILTON PAYN	Surveyor General's Office, Colom Ceylon.
4183	A. Oct. 1903 C.F. June 1912	*HARRISON, WILLIAM	115, St. Andrews Street, Bloemfo tein, South Africa.
5694	A. Oct. 1909 C.F. July 1917	*HEALD, HARRY MAIR	Fricourt, Broadstone, Dorset.
9129	Oct. 1922	HEYGATE, LANCELOT	c/o The Royal Colonial Institu Northumberland Avenue, W.C.2
5961	A. Oct. 1910 C.F. Oct. 1914	*¶HINGSTON, CECIL VICTOR ..	Chief Valuer, Calcutta Improveme Trust, 5, Clive Street, Calcutta.
3530	A. Oct. 1899 C.F. Nov. 1921	*HOOD-DANIEL, HERBERT ..	Norwich, Port Antonia, Jamaica.
3388	A. Oct. 1898 C.F. July 1913	*HOWGRAVE-GRAHAM, GEORGE ERNEST	Public Works Dept., Union Buildin Pretoria, Transvaal.
8094	Oct. 1919	HUSBAND, CHARLES THOMAS MAIN	c/o Surveyor General, Kuala Lump Selangor, F.M.S.
9130	Oct. 1922	HUSTWICK, ERNEST	Public Works Dept., Union Bui ings, Pretoria, S. Africa.

Dip. No.	Date of Election.	COLONIAL FELLOWS.	Address.
863	A. Nov. 1918 C.F. July 1922	*IVEY, FREDERICK PERCIVAL	Survey Dept., Livingstone, Northern Rhodesia.
230	A. Oct. 1913 C.F. Dec. 1920	*¶JACKSON, NORMAN	2, Mayfield Avenue, Southgate, N.14. (Middlesex).
131	Oct. 1922	KENNY, PATRICK ARTHUR THEODORE, O.B.E. ..	Athenæum Lodge, Mussoorie, United Provinces, India.
207	A. Oct. 1907 F. Oct. 1920	*¶KIRK, ALLAN	P.W D. Offices, Hong Kong.
187	A. Oct. 1908 C.F. July 1916	*LAKE, WALLACE STRICKLAND	Director of Public Works, Freetown, Sierra Leone, West Africa.
740	A. Oct. 1905 F. Jan. 1917 C.F. Mar. 1920	*LAVARACK, HAMLETT UNITT	Villa Frou Frou, Juan les Pins, Alpes Maritime, France.
085	A. Feb. 1907 C.F. Oct. 1913	*LEES, HENRY BERRY, M.C., M.I.C.E.	Public Works Office, Jerusalem, Palestine.
566	Oct. 1908	LERMIT, ARTHUR ALFRED ..	Survey Office, Malacca, Straits Settlements.
719	A. Oct. 1909 C.F. June 1914	*LOWDEN, ANDREW..	Shendi, Soudan, N. Central Africa.
834	F. Oct. 1900 C.F. Jan. 1904	MCCAW, GEORGE TYRRELL, B.A.I. (*Dublin*)	War Office, Whitehall, S.W.1.
756	A. Oct. 1912 C.F. Sept. 1923	*MCCREDIE, HUGH	Cathcart House, 11, Castlereagh Street, Sydney, Australia.
804	Oct. 1923	MCEWEN, JOHN HENRY ...	Mombasa, Kenya Colony, British East Africa.
956	June 1896	MCGAHAN, AMOS HARVEY ..	May Pen, Jamaica, B.W.I.
556	Feb. 1915	MACGILLWRAY, JOHN WALKER	The Crown Surveyor, Survey Dept. Box 35, Port of Spain, Trinidad.
551	Oct. 1920	MCNAMARA, RUPERT AUGUSTUS	Odessa Lodge, Castries, St. Lucia B.W.I.
103	Nov. 1916	MCTURK, WILLIAM HENRY ..	c/o Dept. of Lands and Mines, Georgetown, British Guiana.
131	A. Oct. 1902 F. July 1905 C.F. Oct. 1909	*MAY, PHILIP JOHN..	Survey Department, Badulla, Ceylon.

Dip. No.	Date of Election.	COLONIAL FELLOWS.	Address.
7469	Oct. 1913	MELVIN, WILLIAM GEORGE, A.M.I.C.E.	Engineer and Assessor, Municipal Off Howrah, India.
2977	A. Oct. 1895 C.F. Oct. 1920	*MENMUIR, ROBERT WILLIAM	National Mutual Buildings, Churc Square, Cape Town.
3868	A. Oct. 1901 C.F. Oct. 1910	*MICHELL, JOHN	Royal Survey Department, Bangkok Siam.
9132	Oct. 1922	MILL, DAVID WILLIAM ..	Superintendant of Surveys, Dept. o Lands & Forests, Quebec, Canada.
3643	Feb. 1894	MILLER, WILLIAM	Nassau, Bahamas, West Indies.
3870	A. Oct. 1901 C.F. July 1922	*MITCHELL, HERBERT ARTHUR	c/o Resident Engineer, Harbour Board, Gisborne, New Zealand.
7970	Nov. 1918	MORPHY, HENRY	Survey Dept., Nigeria, West Africa
3786	A. Oct. 1912 C.F. Oct. 1920	*¶NEEDHAM, WALTER WILLIAM, CAPT.	Canadian Pacific Buildings, 98 Boulevard Adolphe Max, Brussels.
3947	Oct. 1912	NICHOLAS, WILFRED DUNSTAN	The Estate Department, Singapor Harbour Board, Singapore.
3716	Oct. 1921	NOLAN, ARTHUR PATRICK ..	Superintendent of Land Records Shwebo, Upper Burma.
763	A. Oct. 1905 C.F. July 1913	*NOTTAGE, PERCY GEORGE ..	Bartley Nurseries, nr. Southampton.
3453	A. Feb. 1912 C.F. July 1920	*¶PARROTT, CHARLES CLAYTON	P.W.D., Cape Coast, W. Africa.
3717	Oct. 1921	PEARSON, TURNER LANGBRIDGE	Spanish Town, Jamaica.
7639	Oct 1915	PENNEFATHER, JOHN PYNE ..	2, Oxley Road, Singapore.
5976	A. Feb. 1913 C.F. July 1922	*PERCY, GEORGE REGINALD, M.C., A.M.I.C.E.	Public Works Dept., Bagan Serai Perak, F.M.S.
7419	A. Oct. 1913 C.F. Dec. 1923	*¶PHILLIPS, CUTHBERT EMRYS VAUGHAN	Survey of Egypt, Gaza, Cairo, Egypt
7338	A. Oct. 1913 C.F. July 1920	*PIKE, JOHN PERCY	Assistant Town Engineer, Engineer's Dept., Pretoria Municipality Transvaal, South Africa.
3753	A. Oct. 1909 C.F. Feb. 1919	*PLANT, CLIFFORD ERNEST ..	Central Technical College, Brisbane Australia.
3352	Oct. 1920	POULDEN, GEORGE EDWARD LUTHER	14, Sion Hill, Clifton, Bristol.
7971	Nov. 1918	PRICE, OWEN GORDON.. ..	P.W.D., Freetown, Sierra Leone.
3353	Oct. 1920	PUNTIS, WALTER ERNEST, MAJOR, O.B.E.	P.W.D., Pretoria, South Africa.
3354	Oct. 1920	RAO, ANANTHA KRISHNA ..	Residency Bazar, Hyderabad, Decca India.

p.	Date of Election.	COLONIAL FELLOWS.	Address.
3	Nov. 1918	RENSHAW, JAMES C.	Salaga, Northern Territories, B.W. Africa.
4	Nov. 1916	RICKMAN, RALPH ETWALL ..	Chapelton, P.O., Jamaica, B.W.I.
8	A. Oct. 1904 C.F. Sep. 1923	*RIDDETT, BASIL PERRY ..	c/o Colonial Survey Dept., Accra, Gold Coast Colony.
8	Oct. 1921	ROWBOTHAM, JONATHAN ALAN	Basseterre, St. Kilts, British West Indies.
8	A. Feb. 1905 C.F. Sep. 1923	*ROWE, GILBERT CHARLES ..	Lands Acquisition Officer, Bombay, India.
3	Oct. 1922	SAIDLER, JAMES ROY, MAJOR, M.C., C. de G.	Kisumu, Kenya Colony.
7	A. Oct. 1911 C.F. Oct. 1922	SAISE, WALTER	1st Division Public Health Dept., Saharanpur, India.
3	A. Oct. 1903 F. May 1906 C.F. Oct. 1907	*SANDERS, FRANCIS LEONARD	80, Fordwych Road, West Hampstead, N.W.2.
4	A. Oct. 1910 C.F. Oct. 1922	*¶SAWARD, SIDNEY CARMAN ..	c/o Surveyor-General, Accra, Gold Coast.
0	A. Oct. 1909 C.F. Jan. 1915	*SCOTLAND, DOUGLAS WILLIAM	Luscar, Partickhill, Glasgow.
9	A. Oct. 1910 C.F. Jan. 1913	*§SHROSBREE, ALBERT DE BOIS	4, Pretoria Street, Calcutta.
7	A. Feb. 1911 C.F. July 1922	*¶SIMS, NUGENT WOOLCOTT ..	25, Greenhill Road, N.W.10.
8	Oct. 1912	SMITH, JAMES LANDRETH ..	Basseterre, St. Kitts Nevis, B.W.I.
8	A. Oct. 1912 C.F. July 1921	*¶SPENCER, ALBERT EDWARD	Land Office, Entebbe, Uganda, British East Africa.
1	A. Oct. 1912 C.F. Oct. 1920	*STARLEY, BERNARD	c/o Lloyd's Bank, Ltd., Atherstone, Warwickshire.
6	Oct. 1920	STOTESBURY, HERBERT CHARLES WOOD	Bamnoli, *via* Mehra, District Satara, India.
3	A Oct. 1909 C.F. Dec. 1923	*TAYLOR, FREDERICK HALE	Land Manager, Bombay Port Trust, Bombay.
1	A. Oct. 1911 C.F. April 1920	*¶TEMPLE, RICHARD, JUN. ...	Survey Dept., P.W.D., Sierra Leone, Africa.
5	Oct. 1923	TERRIER, THEODORE EMILE	Spanish Town, Jamaica, B.W. Indies.
1	F. Nov. 1918 C.F. Apr. 1923	THOMAS, ERNEST	C.E. in Chief's Dept., H.M. Dockyard, Gibraltar.
6	Oct. 1920	THOMPSON, WILLIAM GLOSSOP	P.O. Box 500, Durban, Natal, South Africa.
2	A. Oct. 1909 F. Oct. 1913 C.F. Sep. 1923	*THORNE, HARMAN	Municipal Engineer, Basrah, Iraq, Mesopotamia.
2	A. Nov. 1918 C.F. Dec. 1922	*TIVY, RYDER VAUGHAN ..	Chief Surveyor's Office, Livingstone, N. Rhodesia.

Dip. o.	Date of Election.	COLONIAL FELLOWS.	Address.
1288	A. Oct. 1903 C.F. April 1920	*WALLACE, HERBERT ALEXANDER CRAIG	Southern Life Buildings, Maitland Street, Bloemfontein, O.F.S.
3719	Oct. 1921	WARNE, WILLIAM MONTAGUE	P.W.D., Pretoria, South Africa.
3095	Oct. 1919	WAVELL, CLAUDE WILLIAM FUGLAR	Leindenhurst, Gurnard, I. of W.
3720	Oct. 1921	WILLOUGHBY, HUGH MICHAEL	Good Hope, Dallas, P.O. Jamaica.
3934	A. Oct. 1912 C.F. Mar. 1916	¶WILSON, GEORGE HAROLD SUMNER	District Commissioner, Enchi, via Prestea, Sekondi, W. Africa.
4098	A. Oct. 1902 C.F. Oct. 1906	*WRIGHT, ARTHUR EDGAR ..	Public Works Department, Hong Kong.
9306	Oct. 1923	WRIGHT, FRANCIS THOMAS..	Zomba, Nyasaland, B.E. Africa.
4324	F. Oct. 1904 C.F. Jan. 1923	WRIGHT, GEORGE JOHN, LT.-COL.	Chief Engineer's Office, Headquarters, Eden Palace Hotel, Cairo.

Total Number of Colonial Fellows, 123, carried to Summary, page 229.

Professional Associates.

he names of those Professional Associates who have qualified for the Class by Examination are distinguished thus *
names of those Professional Associates who have further qualified by Examinrtion for, but have not yet been transferred to the Cass of Fellows, are distinguished thus ¶
names of those Professional Associates who have gained prizes at the Institution Examination are distinguished thus §

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1906	*ABBOTT, ARTHUR JOE	7, Preston Villas, Yeovil, Somerset.
Oct. 1913	*ABBOTT, CLAUDE, M.C.	Bradley Court, Micheldean, Glos.
Oct. 1920	*¶ABBOTT, OSCAR LEWIS ..	14, Carrington Road, Flixton, Manchester.
Nov. 1918	*¶ABRAMS, GEORGE HERBERT ..	19, Buckingham Street, W.C.2.
Oct. 1921	*¶ADAIR, WILLIAM	c/o F. B. Punchard, Underley Estate Office, Kirkby Lonsdale, Westmorland.
Oct. 1923	*¶ADAMS, DONOVAN GUY	19, Arthur Road, Wimbledon, S.W.19 (Surrey).
Oct. 1894	*ADAMS, GERALD JAMES FREDERICK, CAPT., F.R.G.S.	"Kitsilano," Golf Links Avenue, Felpham, Sussex.
Oct. 1895	*ADAMS, HERBERT	38, Sloane Street, Belgravia, S.W.
Oct. 1904	*¶ADAMS, HUBERT ARTHUR, CAPT. R.A.F.	Horsington House, Grove Road, Woking.
Oct. 1920	*¶ADAMSON, THOMAS ROBERT ..	27, Grove Street, Newcastle-on-Tyne.
Oct. 1913	*¶ADDEY, FREDERICK ARNOLD	8, Victoria Mansions, Queen's Club Gardens, W.14.
Oct. 1911	*ADDIE, ALAN LESLIE FORRESTER	City Surveyors' Office, Town Hall, Manchester.
Oct. 1919	*¶§ADKIN, BENAIAH COLSON ..	35, Lincoln's Inn Fields, W.C.2.
Oct. 1921	*¶ADKIN, WILFRED GIBB	c/o Messrs. Adkin, Belcher & Bowen, Market Place, Wantage.
Jan. 1922	ADKINSON, EDGAR HENRY ..	Moor View, Lumb Lane, Bramhall, Cheshire.
Oct. 1911	*AINLEY, ERIC EDWIN	78, Birkby Hall Road, Huddersfield.
Nov. 1918	*ALDEN, JOHN HENRY	11, Clifton Street, Hornsea, E. Yorks.
Oct. 1908	*¶ALDERSON, CHARLES HENRY ..	Dovercourt, Essex.
Oct. 1913	*¶ALEXANDER, THOMAS MACKELVIE	c/o Messrs. Woolfall & Eccles, 60, Castle Street, Liverpool.
Oct. 1920	*¶ALEXANDER, WILLIAM THOMAS RICHARD	64, Wellington Road, Hampton Hill, Fulwell, Middlesex.
Oct. 1912	*ALGAR, STANLEY	Municipal Offices, Harrogate, Yorks.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8409	Oct. 1921	*¶ALLAM, FREDERICK WILLIAM	Quarries Cottage, Mannings Heath Horsham, Sussex.
8410	Oct. 1921	*¶ALLCOCK, ARCHIBALD JOSEPH	15, Avenue Road, Belmont, Sutton Surrey.
3780	Oct. 1901	*ALLEN, FRED TREGARTHEN ..	43, Kingshall Road, Beckenham Kent.
8125	Oct. 1920	*¶ALLERTON, REGINALD JOHN ..	Borough Engineer and Surveyor's Dept., Council House, Walsall, Staf
7769	Nov. 1918	*¶§ALLISON, GEORGE HENRY ..	P. W. D. Raisina, Delhi, India.
7019	Oct. 1913	*ALLISON, WILLIAM	50, Rathbone Place, W.
5860	Oct. 1910	*ALVES, HAROLD NORMAN	27, High Street, Glastonbury, Somerset
3952	Oct. 1902	*¶AMIES, HERBERT CHRISTOPHER..	West Indian Agricultural College, St Augustine, Trinidad, B.W.I.
3340	Oct. 1898	*ANDREWS, ARTHUR GEORGE, LIC.R.I.B.A., M.Inst. M. & C.E.	Borough Surveyor's Office, Town Hall Colchester, Essex.
5387	Oct. 1908	*¶ANDREWS, PERCY CHARLES ..	Valuation Dept., 16, St. Mark's Hill Surbiton.
4353	Oct. 1904	*ANDREWS, RONALD SEYMOUR ..	143, Bow Road, E.
3074	Oct. 1896	*ANDREWS, STEPHEN HAMPTON..	28, Limesford Road, Waverley Park, S.E.
8944	Oct. 1922	*¶ANDREWS, THEODORE ERNEST	Rodney Gate, Little Baddow, near Chelmsford, Essex.
7022	Oct. 1913	*ANDREWS, WILLIAM CHARLES ..	20, Oxenford Street, East Dulwich, S.E.
6154	Oct. 1911	*ANDREWS, WILLIAM FREDERICK	97, Buckingham Road, Brighton.
6501	Oct. 1912	*¶ANNAKIN, ARTHUR BERTIE ..	Cave Holme, Well Royd Crescent Halifax, Yorks.
6949	Feb. 1913	*ANNS, FRANK	Kantara, Hook Hill, Sanderstead Surrey.
7023	Oct. 1913	*ANSELL, DOUGLAS GEORGE ..	11, Brunswick Terrace, Hove.
4892	Oct. 1906	*ANSTEAD, SYDNEY HERBERT ..	Wall End House, East Ham, E.6. (Essex)
6155	Oct. 1911	*APPLETON, EDWARD	4, Park Avenue, Mitcham, Surrey.
8411	Oct. 1921	*¶APPLEYARD, SIDNEY WALTER	14, Wakefield Road, New Southgate N.11 (Middlesex).
7770	Nov. 1918	*apTHOMAS, ROBERT TIBBOT KERRIS	Trevon, Beaumaris, Anglesey, N Wales.
9157	Oct. 1923	*¶APTHORP, ARTHUR LEONARD	29, Devereux Road, S.W.11.
8126	Oct. 1920	*¶APTHORPE, HENRY GUY ..	104, Victoria Road, Diss, Norfolk.
4893	Oct. 1906	*ARCHER, HAROLD DE BYRLAY ..	16, St. James Street, Sheffield.
7024	Oct. 1913	*¶ARCHER, HARRY BARTON	26, Belvedere Road, Coventry.
6156	Oct. 1911	*ARCHER, HERBERT HUMBLEY..	6 and 7, Promenade, Southport, Lancs
9158	Oct. 1923	*¶ARCHER, JOHN	2, Bigby Road, Brigg, Lincs.
9159	Oct. 1923	*¶ARDERN, VENICE	26, New Market Street, Blackburn Lancs.
9160	Oct. 1923	*¶ARDLEY, CECIL WILLIAM ..	Wayside, Crosby Road, Westcliff-on Sea.

p. o.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
2	Nov. 1918	*¶Argile, Harold Wilmore ..	Fern Villas, Lichfield Road, Shelfield, Walsall, Staffs.
5	Oct. 1922	*¶Armitage, Frederick George	Llanberis, Park Crescent, Church End, Finchley, N.3 (Middlesex).
2	Oct. 1912	*¶Armour, Andrew Lamont, B.Sc.	54, Bewick Road, Gateshead, Durham.
8	Oct. 1908	*¶Armstrong, Clive Heath ..	Courthill, Bournemouth Road, Parkstone, Dorset.
2	Feb. 1900	*Arnold, Alan	Westgate Chambers, Winchester.
5	Oct. 1909	*Arnold, Arnold Keith	5, Sloane Square, S.W.
0	Oct. 1900	*Arnold, Harry Hagon	Victoria Chambers, Bank Plain, Norwich.
5	Oct. 1913	*Arnold-Forster John Anthony	Nacton House, nr. Ipswich.
2	Oct. 1921	*¶Arscott, Leonard Charles	Rating Office, L. & S.W. Rly., Waterloo Station, S.E.1.
6	Oct. 1913	*Arthur, Thomas Bevan	7, Lammas Street, Carmarthen.
3	Nov. 1918	¶*§Ash, Charles Anthony	80, Horsham Avenue, N. Finchley, N.12. (Middlesex).
4	Oct. 1910	*Ash, Francis Edward	99, Belmont Road, St. Andrews, Bristol.
4	Oct. 1904	*¶Ash, Horace James, A.R.I.B.A. ..	17, Bridge Street, Nuneaton, Warwickshire.
4	Oct. 1912	*Ashford, Harry Albert.. ..	Cathedral Chambers, Rochester, Kent.
5	Oct. 1912	*Ashley, Reginald Walker ..	Brae Lodge, Mickleton Road, Coventry, Warwick.
9	Oct. 1908	*§Ashton, Arthur, A.R.I.B.A. ..	Clifton Chambers, Wood Street, St. Annes-on-Sea, Lancs.
1	Oct. 1923	*¶Ashwell, Philip Ecob	c/o Messrs. Andrew & Ashwell, 45, London Road, Leicester.
5	Oct. 1919	*¶‡Astbury, Charles Norman	20, Upton Park, Slough, Bucks.
6	Oct. 1922	*¶Astill, Frederic Harry ..	Kirby Park, Melton Mowbray, Leicestershire.
7	Oct. 1920	*¶Aston, Adlard Kyme ..	
3	Oct. 1921	*¶Atkins, Arthur Edward Alan Martin	5, Talbot Houses, Blackheath, S.E.3.
7	Oct. 1922	¶Atkins, Henry Kent	68, Norbury Crescent, S.W.16 (Surrey).
5	Oct 1906	*Atkinson, Charles Christopher	The Mount, Kirkgate, Knaresborough, Yorkshire.
6	Oct. 1910	*¶Atkinson, Clifford Garnett..	Horsham, U.D.C., Town Hall Chambers, Horsham.
3	Oct. 1898	*¶Attlee, Edward Guy	Green Lane, Burbage, Buxton, Derbyshire.
8	Oct. 1922	*¶Austin, Joseph James Rowles	Courtfield, Ealing Common, W.5 (Middlesex).

‡Special Forestry Diploma.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7774	Nov. 1918	*AVERY, JOSEPH ALBERT	151, Minstead Road, Gravelly Hil Birmingham.
8414	Oct. 1921	*¶AVERY, THOMAS ARTHUR ..	Dyke View, Anstye, Cuckfield, Sussex.
5695	Oct. 1910	*AVEY, JOHN WILLIAM, N.D.A.	6, Portinscale Road, Putney, S.W.15
5617	Oct. 1909	*¶AYLIFFE, WALTER SYDNEY ..	"The Shrubberies," Woodside Green South Norwood, S.E. (Surrey).
7996	Oct. 1919	*¶AYLING, JOHN	9, Richmond Place, Brighton, Sussex
5618	Oct. 1909	*AYLMER, GUY	Risby Manor, Bury St. Edmunds, Suffol
4356	Oct. 1904	*AYNSLEY, DOUGLAS FARRER ..	20, Wolveleigh Terrace, Gosforth, New castle-on-Tyne.
8415	Oct. 1921	*AYNSLEY, JOHN THOMAS OLIVER	Leeholme Road, Coundon, Co Durham.
7582	Oct. 1915	*¶BACK, GEORGE	72, Mayfield Avenue, West Ealing W.13 (Middlesex).
4896	Oct. 1906	*¶BAGNALL, EDWARD GEORGE ..	28, Colville Square, W.
8902	Jan. 1922	BAGNALL, HAROLD WILLIAM ..	Guildhall, Nottingham.
8949	Oct. 1922	*¶BAGSHAW, STANLEY FREDERICK	72, Drakefell Road, New Cross, S.E
7028	Oct. 1913	*BAILEY, ALFRED CECIL	The West Worthing, Auction an Estate Offices, Worthing.
5619	Oct. 1909	*BAILEY, ALFRED HORACE.. ..	29, Springfield Avenue, Lidgett Green Bradford.
9162	Oct. 1923	*¶BAILEY, ARTHUR RONALD ..	5, Great College Street, Westminster S.W.1.
8128	Oct. 1920	*BAILEY, VICTOR	85, Dagnall Park, Selhurst, Norwood S.E.25 (Surrey).
8903	Jan. 1922	¶BAILLIE, PETER	14, St. Mary's Road, Strood, Rochester.
8416	Oct. 1921	*¶BAIN, ARCHIBALD WILLIAMSON	12A, Albany Street, Regent's Park N.W.
7030	Oct. 1913	*BAKER, ALFRED BARNET	Highfield, Pontesbury, Salop.
5868	Oct. 1910	*¶BAKER, ALFRED JAMES	5, Mount Street, W.
8417	Oct. 1921	*¶BAKER, ERNEST JOHN	Uffculme, Devon.
6808	Oct. 1912	*¶BAKER, ERNEST SAMUEL	Netherby, Wick, Scotland.
4357	Oct. 1904	*¶BAKER, FRANK LESLIE	c/o Surveyor General's Office, Colon Ceylon.
8950	Oct. 1922	*¶BAKER, GEORGE HENRY.. ..	9, Stanhope Terrace, Gloucester Gat N.W.1.
7997	Oct. 1919	*¶BAKER, GEORGE WILLIAM ..	14, St. James Terrace, The Ho Plymouth.

	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7	Oct. 1911	*Baker, Harold	Amberley, Gloucestershire.
1	Oct. 1909	*¶Baker, Henry Thomas George	H.M.O.W., Westminster, S.W.1.
8	Oct. 1906	*Balcomb, Cecil Augustus ..	278, Christchurch Road, Bournemouth.
1	Oct. 1908	*¶Balden, John Whiteley.. ..	Estate Office, Bretton, Wakefield, Yorkshire.
7	Oct. 1901	*¶‖Baldwin-Wiseman, William Ralph, M.Sc., F.G.S., A.M.I.C.E.	11, Canfield Gardens, Hampstead, N.W. 6.
3	Oct. 1923	*¶Balfour, Gilbert Graham ..	Rugeley, Stafford.
1	Oct. 1912	*¶Ball, Ernest Wright, A.M.I.C.E.	15, Hoghton Street, Southport, Lancs.
2	Oct. 1908	*Ball, Francis Leopold	91, Moorgate, E.C.2.
0	Oct. 1906	*Ballantine, William Archibald	14, Queenshaugh Drive, Stirling.
4	Oct. 1923	*¶Ballard, Percy	79, Aylestone Road, Leicester.
2	Oct. 1905	*Ballard, William Edgar, A.M.I.C.E.	29, Anderton Park Road, Moseley, Birmingham.
2	Oct. 1913	*¶Ballentine, David	18, Victoria Road, Mill Hill, N.W.7 (Middlesex).
4	Jan. 1922	Ballinger, Albert Edward	Glengarth, Pitchcombe, nr. Stroud.
5	Oct. 1923	*¶Balmer, James Brice	139-141 Main Street, Bangor, Co. Down, Ireland.
8	Oct. 1904	*Balster, Stephen	32, Lockwood Road, Ilford, Essex.
8	Oct. 1907	*¶Banham, Edward Longley ..	4, Whitehall Place, S.W.1.
1	Oct. 1900	*Banks, Edward John Stanley	101, Bethune Road, Stamford Hill, N.16.
9	Oct. 1910	*Banton, Luther George ..	22, Shandon Road, Phibsborough, Dublin.
9	Oct. 1904	*¶Barber, Harry John	35, Woodstock Avenue, Golder's Green, N.W. (Middlesex).
3	Oct. 1921	*¶Bark, John Eldon	7, Moorfields, Liverpool.
3	Oct. 1915	*¶Barker, Horace Thomas Searle	13, Lowndes Street, Belgravia, S.W.1.
3	Oct. 1913	*Barlow, James	The Elms, Whitefield, Manchester.
1	Oct. 1906	*Barnard, Dennis Christopher	South Lodge, Queen Edith's Way, Cambridge.
0	Oct. 1904	*Barnham, George William ..	Griston, Watton, Norfolk.
7	Jan. 1885	*Barratt, Harry..	Hill View, Corser Street, Stourbridge, Worcestershire.
5	Oct. 1911	*¶Barrett, Allan	The Avenue, Scholes, nr. Leeds.
	Oct. 1922	*¶Barrett, Robin Coventry ..	Skipton Castle, Skipton, Yorks.
	Oct. 1913	*Barron, Sidney Norman, Capt., R.E.	Kirkham, Cobham, Kent.
	Oct. 1912	*Barry, Arthur Thomas	4, Napier Road, Wembley, Middlesex.
	Oct. 1920	*¶Bartlett, Reginald Douglas	Government of Burma, P. W. D. Buildings and Roads Branch, Rangoon.
	Oct. 1923	*¶Barton, Albert Clifford ..	1, Grand Parade, Teddington.

‖ Sessional Paper Gold Medal.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7039	Oct. 1913	*¶Bartram, Ronald	44, Church Road, Barnes, S.W (Surrey).
8419	Oct. 1921	*¶Barwell, Richard Newman	c/o Messrs. Bidwell & Sons, St. Mary Ely.
3956	Oct. 1902	*Bastable, John Daniel	"St. Aubyns," Cheltenham Moun Harrogate.
8131	Oct. 1920	*¶Batchelor, Percival	14, Blackwellgate, Darlington.
4130	Oct. 1903	*¶Bateman, Frank Graham.. ..	1, Stanley Place, Chester.
7775	Nov. 1918	*Bateman, William Herbert, Capt., m.c., a.m.i.c.e.	Beaumont, Calne, Wilts.
4903	Oct. 1906	*¶Bates, Arthur Roger Albert	Surveyor's Department, Great Northe Railway, King's Cross, N.
8420	Oct. 1921	*¶Bates, Leon Rodwell ..	Greenfields, Christchurch Road, Ea Sheen S.W.14 (Surrey).
4363	Oct. 1904	*Bates, Oscar George	Estate Office, Canwick, Lincoln.
5871	Oct. 1910	*¶Bates, Percy	60, Preston Street, Brighton.
7040	Oct. 1913	*Bates, Stacy James	4, Prittlewell Square, Southend-on-Se Essex.
6515	Oct. 1912	*¶Bath, Cecil Alan	Stoneyheath, St. John's Road, O pington, Kent.
6516	Oct. 1912	*¶Bathurst, Frank Victor ..	103, High Street, Clapham, S.W.4.
8952	Oct. 1922	*¶Batkin, Richard Wall ..	1a, Westland Road, Watford.
4131	Oct. 1903	*Batstone, Walter Waterfield	Godliman House, Godliman Stree E.C. 4.
8132	Oct. 1920	*¶Baty, Reginald Elphinstone	47, Blackett Street, Newcastle-o Tyne.
4904	Oct. 1906	*¶Bax, William Molyneux.. ..	37, Milton Road, Wallington, Surre
7999	Oct. 1919	*Baxter, Frank	The Cottage, Burr Street, Dunstabl Beds.
5399	Oct. 1908	*¶Baxter, George Coulson ..	1, Frederick's Place, Old Jewry, E.C.
8421	Oct. 1921	*¶Baxter, Harold John ..	3, High Street, Totnes, Devon.
4905	Oct. 1906	*¶Bayden, Edward	45, Parkside, Eltham, S.E.9.
4625	Oct. 1905	*¶Bayes, John George..	Air Ministry Works and Buildin Dept., Area H 2, Hut 20, Hillin ton House, Uxbridge.
3511	Oct. 1899	*Baylis, Alfred William ..	128, Colmore Row, Birmingham.
3076	Oct. 1896	*Beach, Archibald William Hicks, Major	Oakley Manor, Basingstoke, Hants.
5623	Oct. 1909	*Beale, Donald Olaf Christopher	Uckfield, Sussex.
8422	Oct. 1921	*¶Beard, Philip Arthur Edgar	27, Maddox Street, W.1.
7776	Nov. 1918	*Bearman, Harry Victor.. ..	Derwent, Ridgeview Road, Woodsi Park, N.20 (Middlesex).
5872	Oct. 1910	*Beaumont, John Edmund ..	1, Lansdown Road, Dukes Avenu Muswell Hill, N. (Middlesex).
8423	Oct. 1921	*¶Beavan, William Franklin	Union Court, Cook Street, Liverpo

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1903	*Beaven, Howard Clifford ..	Willoughby, Bulwer Road, New Barnet, Herts.
Oct. 1913	*¶Beck, Herbert Edgar, b.a. ..	Valuation Dept., L.C.C., Old County Hall, Spring Gardens, S.W.1.
Oct. 1912	*¶Beckham, Arthur Arkell ..	6, Brixton Road, S.W.9.
Oct. 1912	*¶Bedells, Herbert Sydney Grafton	Toft Lawn, Hornsey Lane, Highgate, N.
Oct. 1898	*Bedwell, Ernest Charles ..	29, Fleet Street, E.C.
Oct. 1920	*¶Bee, David	17, Pepper Street, Chester.
Oct. 1903	*¶Beever, Rowland	13, The Boulevard, Hull, Yorks.
Oct. 1922	*¶Beilby. Robert Buxton ..	14, George Street, Sandal, Wakefield,
Oct. 1909	*Beken, Reginald Walter ..	213, Hoe Street, Walthamstow, N.E. (Essex).
Oct. 1911	*¶Bell, Cyril Robert	The Estates Office, High Street, Tarporley, Cheshire.
Oct. 1920	*Bell, David James	73, Orrell Lane, Aintree, Liverpool.
Oct. 1921	*¶Bell, Ethelbert Ernest ..	Longridge, London Road, Harrow-on-the-Hill.
Oct. 1906	*Bell, Harry Cecil	Shirley Croft, Grantham.
Oct. 1909	*¶Bell, Wallace Alfred	"Hambleden," Church Road, Lyminge, Kent.
Oct. 1923	*¶Bell, William	233, Barry Road, Dulwich, S.E.22.
Oct. 1904	*¶Bellamy, Harry	Threlkeld, Chelmsford Road, Harrogate.
Oct. 1912	*¶Benham, Maurice Victor.. ..	Land Agency Office, Chipping Norton, Oxon.
Oct. 1908	*¶Bennett, Arthur John	15, St. Helen's Crescent, Swansea, Glamorganshire.
Oct. 1911	*¶Bennett, Arthur Thomas ..	Roads Dept., Ministry of Transport, 7, Whitehall Gardens, S.W.1.
Feb. 1910	*¶Bennett, Maurice Christmas..	Department of Lands, Government of Palestine, Jerusalem.
Oct. 1922	*¶Bennett, Rowland	120, Regent Road, Fenton, Stoke-on-Trent, Staffs.
Oct. 1919	*Bennett, Roland Day	"Edbrook," Warren Park, Warlingham, Surrey.
Oct. 1907	*¶Benson, Ralph Francis	c/o Chief Surveyor, Land Titles Office, Regina, Sask., Canada.
Oct. 1913	*Bentley, John	Holmwood, Slade Lane, Levenshulme, Manchester.
Oct. 1905	*Benton, Gerald Sydney ..	14, Norfolk Road, Brighton, Sussex,
Oct. 1920	*¶Berry, Charles Edward ..	Oak Hall, High Stone, Leytonstone, Essex.
Oct. 1923	*¶Berry, Frank Lincoln ..	74A, Holland Road, Harlesden, N.W.10 (Middlesex).

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7719	Oct. 1917	*¶§Berry, William Wellington	21, Kingston Hill, Surrey.
8136	Oct. 1920	*¶Bertrand, Walter Randolph	8, Young Street, St. George's, Grena B.W.I.
8137	Oct. 1920	*¶Besant, Hubert Saxton ..	2, West Terrace, Richmond, Yorks
7779	Nov. 1918	*¶Bescoby, Harry Bernard ..	14, Bernard Street, Russell Squar W.C.1.
5403	Oct. 1908	*Bettridge, Sidney Woodward	Ferney, Warlingham, Surrey.
4908	Oct. 1906	*¶Bevington, Ernest	116, Cranley Gardens, Muswell Hill, (Middlesex).
3351	Oct. 1898	*Bibbey, Thomas..	Mersey Buildings, 18, James Street, Liverpool.
7526	Oct. 1914	*¶Bigham, Robert Alexander .	21, Cranhurst Road, Cricklewoo N.W.2. (Middlesex).
6169	Oct. 1911	*¶Bines, Thomas Harry	G.D.O. Public Works Departme Council House, Birmingham.
9169	Oct. 1923	*¶Bingham, Cyril Hugh ..	35, Coniston Road, Muswell Hi N.10 (Middlesex).
3644	Oct. 1900	*¶Bingham, William Raper ..	11, Pydar Street, Truro, Cornwall.
8426	Oct. 1921	*¶Binks, Frank	11, Athlone Terrace, Armley, Leed
4909	Oct. 1906	*Binns, Maurice Alfred	84, Westcliff Park Road, Westcliff-o Sea.
4910	Oct. 1906	*Bird, Augustus Gordon	10, Lincoln's Inn Fields, W.C.2.
8427	Oct. 1921	*¶Bird, Stanley Parker ..	21, Southwold Mansions, Maida Val W.9.
7051	Oct. 1913	*Biscoe, Robert Stafford ..	Surveyor-General's Office, Kingsto Jamaica, B.W.I.
5405	Oct. 1908	*Bishop, Ernest William.. ..	14A, Upper Hornsey Rise, N.19.
5076	Feb. 1907	*¶Bishop, Horace Stanley Charles	44, Flanders Road, Bedford Par W.4. (Middlesex).
4911	Oct. 1906	*Bisley, Claude Vivian	Wyvern, Vallance Gardens, Hove.
9170	Oct. 1923	*¶Bisley, Donald Walter ..	14, Bromley Common, Kent.
6523	Oct. 1912	*Black, Ernest	13, Rosslyn, Pasture Road, Roun hay Road, Leeds.
7052	Oct. 1913	*¶Blackburn, Edgar	Acre House, Walmer Road, Birkda Lancashire.
8428	Oct. 1921	*¶Blackburn, Lionel Charles	Municipal Offices, Raine Stree Wapping, E.1.
4573	Feb. 1905	*Blake, Alfred Eveleigh ..	c/o Messrs. C. F. Taylor & Co., Horl Surrey.
6524	Oct. 1912	*Blake, John Patrick	Surveyor's Office, Council Hou Hounslow, Middlesex.
6525	Oct. 1912	*Blanchard, Louis Matthew ..	Council Offices, Whitby.
7681	Nov. 1916	*¶Bland, Robert Lionel	16, Nassau Road, Barnes, S.W.13.
8139	Oct. 1920	*¶Blanks, Arthur Albert ..	68, Mount Pleasant Lane, Upp Clapton, E.5.

	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
1	Nov. 1918	*¶Bleakley, James Franklin, Capt.	Ashlea, Church Road, Flixton, near Manchester.
1	Oct. 1904	*Blessley, Victor Henry.. ..	Finchley Road Station, L.and N.W.Ry., Hampstead, N.W.
2	Nov. 1918	*¶Bletsoe, Thomas Henry.. ..	Thrapston, Northants.
1	Oct. 1923	*¶§Bliss, John Leslie	Chesleigh, Presburg Road, New Malden, Surrey.
3	Oct. 1901	*¶Bliss, Theodore Stephen ..	Bedford Office, Tavistock.
8	Oct. 1912	*¶Bloore, Harry Grosvenor..	83, Greenfield Road, Harborne, Birmingham.
7	Oct. 1908	*¶Blow, Thomas Bertram	The Vale, Blackheath, S.E.
3	Nov. 1918	*Blowen, Frederick Edward Vivian, Capt.	559, Chepstow Road, Newport, Mon.
9	Oct. 1921	*¶Blyth, Charles Kydd ..	110A, Northview Road, Hornsey, N.8. (Middlesex).
6	Oct. 1900	*Blyth, Harold King	Superintending Chief Engineer's Dept., H.M. Dockyard, Devonport.
0	Oct. 1921	*¶Boardman, Harold William	Barmouth U.D.C., Barmouth, N. Wales.
0	Oct. 1920	*¶Boardman, John Wilberforce	Redroofs, Histon, Cambridgeshire.
3	Oct. 1913	*¶Boast, Charles Eric, M.C., A.M.I.C.E.	2, Uxbridge Avenue, Binley Road, Stoke, Coventry.
3	Oct. 1904	*Boden, Harrold Casswell ..	Raidang, Great Bookham, Surrey.
4	Nov. 1918	*¶Body, Pelham Terry Cooper	80, Basingstoke Road, Reading, Berkshire.
2	Feb. 1914	*Bollam, Max	Bessborough Estate, Bellini, Piltown, Co. Kilkenny.
4	Oct. 1913	*¶Bone, Hugh	Borough Surveyor's Office, Southend-on-Sea.
5	Oct. 1913	*Boon, Ernest George Frederick	The Woodlands, Dorchester.
1	Oct. 1921	*¶Booth, Harold Almgill ..	5, Lime Avenue, Heworth, York.
6	Oct. 1913	*¶Booth, Howard Edwin	17, Holmwood Gardens, Church End, Finchley, N. (Middlesex).
2	Oct. 1912	*¶Borland, John Campbell ..	Renfield Kirn, Argyllshire.
8	Oct. 1896	*Bosher, Victor Evans	New County Hall, Westminster Bridge, S.E.1.
7	Oct. 1913	*Boston, William Thomas ..	c/o Messrs. Hilbery & Co., 49, Leadenhall Street, E.C.3.
4	Oct. 1906	*Bott, William Alfred	Deputy Borough Surveyor, Town Hall, Stoke-on-Trent.
3	Oct. 1912	*¶Bottomley, Benjamin Green..	20, Edna Street, Crumpsall, Manchester.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8432	Oct. 1921	*¶BOUNDY, AUBREY EARL ..	c/o Messrs. Rumsey & Rumsey, 111, Old Christchurch Road, Bournemouth.
8955	Oct. 1922	*¶BOURKE, GEOFFREY JOHN ..	Monycrower, Maidenhead, Berks.
7058	Oct. 1913	*BOURNE, HARRY GORDON.. ..	132, Station Road, Wylde Green, Birmingham.
5408	Oct. 1908	*BOURNE, JAMES ROBERT WYKEHAM	Eleanor Cottage, Chalfont St. Peter, Bucks.
6171	Oct. 1911	*BOUSTRED, HUBERT WILLIAM ..	80, Hanley Road, Stroud Green, N.4. (Middlesex).
7586	Oct. 1915	*¶BOWEN, ALEXANDER	37, Cannon Hill Road, Balsall Heath, Birmingham.
5629	Oct. 1909	*¶BOWER, THOMAS HAWKESLEY ..	c/o Messrs. Entreprises Somerville, 29, Avenue de l'Opera, Paris.
752	Oct. 1914	*¶BOWES, ALFRED STANLEY	North Holme, Whitburn, Sunderland, Durham.
7059	Oct. 1913	*BOWES, ARTHUR ALKER	21, Imperial Chambers, 62, Dale Street, Liverpool.
4635	Oct. 1905	*BOWES, OSBORNE JOHNSTONE ..	25, New Bridge Street, Newcastle-on-Tyne.
7060	Oct. 1913	*¶BOWIE, ALEXANDER, JUN... ..	4, Glebe Avenue, Kilmarnock, Ayrshire.
7061	Oct. 1913	*¶BOWKER, ARTHUR	
6534	Oct. 1912	*BOWKER, HAROLD WALTER ..	Surveyor-General's Office, Kingston, Jamaica, B.W.I.
8433	Oct. 1921	*¶BOWKER, WILLIAM EDWARD	32, Dumbarton Road, Lancaster.
7062	Oct. 1913	*¶BOWLING, PETER JAMES	Auction Rooms, Benfleet, Essex.
8434	Oct. 1921	*¶BOWMAN, JOHN LESLIE ..	c/o Messrs. Babbs and Labdon, The Rhodes Building, St. George's Street, Cape Town, South Africa.
6883	Oct. 1910	*¶BOWTELL, WILLIAM EDGAR ..	76, Newton Street, Piccadilly, Manchester.
9172	Oct. 1923	*¶§BOWYER, EDWARD BARRY ..	Carisbrooke House, The Avenue, Beckenham, Kent.
6535	Oct. 1912	*BOX, STEPHEN THOMAS	c/o Crown Colony Survey, Accra, Gold Coast, West Africa.
7063	Oct. 1913	*BOYDELL, FRANK LOUIS	85, St. Helen's Road, Leigh, Lancs.
7064	Oct. 1913	*¶BOYNE, WILLIAM	Burgh Surveyors' Office, Town House Aberdeen.
8142	Oct. 1920	*BOYS, THOMAS	Ravenscar, Albion Road, Sutton, Surrey.
4375	Oct. 1904	*BOYTON, FRANK ALRIC	9, Quality Court, Chancery Lane W.C.2.
8143	Oct. 1920	*¶BRACKETT, FREDERICK JOHN NEWBEGIN	c/o Brackett & Sons, 27 to 29, High Street, Tunbridge Wells.
4916	Oct. 1906	*BRADLEY, CECIL GUSTAV, LIEUT.-COL., D.S.O.	Baronscroft, Bridlington, Yorkshire.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1902	*¶Bradshaw, Harold Claud ..	Ministry of Agriculture, Room No. 7, 1, Park Place, Leeds.
Oct. 1912	*¶Brameld, Henry Creswick Wilson	130, William Street, Sheffield.
Oct. 1908	*Bray, Edwin	Town Street, Stanningley, Leeds.
Feb. 1905	*¶Bray, Jocelyn	Southend, Ockham, Surrey.
Nov. 1918	*Brayshaw, Henry Harcourt..	16, Fore Street, Kingsbridge, S. Devon.
Oct. 1922	*¶Breach, Alan Charles Egerton	29, Fleet Street, E.C.4.
Oct. 1904	*Brebner, Robert Frederick..	Monreith Estate Office, Whauphill, Wigtownshire.
Oct. 1912	*¶Breton, Bertram Walter Frederick	36, St. James' Road, S.W.9.
Oct. 1906	*Brettell, Charles Bandon ..	Little Hill, Boxmoor, Herts.
Oct. 1922	*¶Brewer, Francis Henry James	79, Finsbury Park Road, N.
Oct. 1913	*Bridger, Alexander Guillan	Lulworth, Grimsdell's Lane, Amersham, Bucks.
Oct. 1906	*¶Bridger, Arthur Edward ..	Greywell, Winchfield, Hampshire.
Oct. 1922	*¶§Bridges, Archibald	Institute for Research in Agric. Economics, Parks Road, Oxford.
Oct. 1910	*¶Brigden, William Ernest ..	8, Worthy Lane, Winchester.
Oct. 1919	*¶Brigg, John Haggas	Southburn, Driffield, E. Yorks.
Oct. 1907	*Briggs, Alfred Denbigh ..	New County Hall, S.E.1.
Oct. 1920	*¶Briggs, George James, Junr.	Chantreys, East Horsley, Surrey.
Feb. 1887	*Briggs, John	36, Tooting Bec Gardens, Streatham, S.W.
Nov. 1918	*Brimmell, William Langdon	c/o Messrs. Cox & Co., Bombay, India.
Oct. 1913	*Brissenden, Charles Cooper	Butts, Cousley Wood, Wadhurst, Sussex.
Oct. 1913	*Brittain, Frank	11, Park Road, Chiswick, W. (Middlesex).
Nov. 1918	*¶Britton, Bernard Charles ..	The Nook, Coleys Lane, Northfield, Birmingham.
Oct. 1912	*¶Broad, Frederic Arthur ..	3, Prospect Place, Swansea, S. Wales.
Oct. 1912	*Broadhead, Charles Alfred	Architect's Dept., St. George's Hall, Rotherham.
Oct. 1919	*Brockelbank, Colin Turner Seymour	Elm Lodge, The Glebe, Blackheath, S.E.3.
Oct. 1913	*Brodie, Matthew Scott.. ..	Burgh Surveyor, Troon, N.B.
Feb. 1905	*Bromley, Robert Cecil	Homeleigh, Longlands Road, Sidcup, Kent.
Oct. 1920	*¶§Brooks, John Thomas ..	39, Sebert Road, Forest Gate, E.7 (Essex).

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
3516	Oct. 1899	*Brooks, William Nathaniel..	Estate Office, Batsford, Moreton-in-Marsh, Glos.
7789	Nov. 1918	*Brooksbank, Robert	5, Alma Grove, Basford Park, Stoke-on-Trent.
6541	Oct. 1912	*¶Brown, Alfred Willoughby Hope	11, The Crescent, Barnes, S.W.13 (Surrey).
3491	Feb. 1899	*¶Brown Arthur Frederick ..	11, Little College Street, Westminster S.W.
4921	Oct. 1906	*¶§Brown, Charles George ..	Launceston Lodge, Chorley Wood West, Herts.
9173	Oct. 1923	*¶Brown, Clifford	Albion House, Hall Cross, Doncaster
7071	Oct. 1913	*¶†Brown, Edgar Oswald.. ..	6, Russell Gardens, Golders Green N.W.4.
6542	Oct. 1912	*¶Brown, Edward James.. ..	5, North Terrace, Cherryhinton, Cambridge.
8146	Oct. 1920	*¶Brown, Edward Walter William	Erlstoke, Woodhouse Road, N.12 (Middlesex.)
8435	Oct. 1921	*¶Brown, Egerton Edward Morris	89, Windsor Road, Penarth, Glam
8436	Oct. 1921	*¶Brown, Francis Harold Pritchett	36, Hampton Road, Redland, Bristol
8437	Oct. 1921	*¶Brown, Frank	c/o Messrs. Herring, Son & Daw, 100c, Queen Victoria Street, E.C.4
5632	Oct. 1909	*Brown, George Macdonald ..	Okeford, Tring, Herts.
3796	Oct. 1901	*Brown, John, Lieut.-Colonel	83, St. Giles Street, Northampton.
6544	Oct. 1912	*¶Brown, Leonard John, A.R.I.B.A.	Old County Hall, Spring Gardens, S.W
9174	Oct. 1923	*¶Brown, Percival Wilsdon	The Homestead, Burnham Road, Malmesbury, Wilts.
6177	Oct. 1911	*Brown, Thomas Stanley ..	Dalkey, Ballbrook Avenue, Withington Manchester.
5413	Oct. 1908	*¶Brown, William Alfred.. ..	The Willows, Gunville, Carisbrooke I. of W.
2626	Feb. 1894	*Brown, William Lobin Trant	332, High Road, Kilburn, N.W.
9175	Oct. 1923	*¶Browne, Ellis Geoffrey ..	47, Foregate Street, Worcester.
3650	Oct. 1900	*Browning, Egbert George ..	89, Orford Road, Walthamstow, E (Essex).
2656	Oct. 1894	*Bruce, Alexander David ..	The Pines, Fleet, Hants.
6545	Oct. 1912	*Bruce, Reginald	Town Hall, Manchester.
8147	Oct. 1920	*¶Brunt, Frank, Capt.	Sunnyside, South View Avenue, Caversham, Reading.
4639	Oct. 1905	*¶Bruzaud, Sidney John	25, Corringham Road, Golders Green N.W.11 (Middlesex).
3652	Oct. 1900	*Bryan, Arthur	153, Albert Road, Stechford, Birmingham.

† Special Sanitary Science Diploma.

ip. o.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
39	Oct. 1910	*¶Bryans, Maurice Edward ..	11, Denman Street, Piccadilly, W.1
72	Oct. 1913	*Buck, Edward Martin, M.C.	29, Droitwich Road, Worcester.
44	May 1883	Buckland, William Thomas ..	72, Clifden Road, Twickenham, Middlesex.
99	Oct. 1901	*Buckley, Alfred Eustace ..	11, Clifton Street, Lytham.
07	Oct. 1919	*¶§Buckley, Cyril Hugh	22, Clyde Road, Alexander Park N.22 (Middlesex).
47	Oct. 1912	*Buckmaster, Herbert Hambleton	Norbury-Smith & Co., 5, Georg Street, W.1.
76	Oct. 1923	*¶Budgen, Edward Ralph ...	Heolgerrig, Abergavenny, Mon.
60	Oct. 1922	*¶Budgen, Harold Victor ..	16, Wigram Road, Wanstead, E.1 (Essex).
01	Oct. 1901	*Bull, Thomas Henry	London County Council, Architect' Department, S.E.1.
77	Oct. 1923	*¶Bull, Walter, Edward Avenon	77, Queen Victoria Street, E.C.4.
38	Oct. 1921	*¶Buller, Frederick Arthur	63, Schubert Road, Putney, S.W.15
40	Oct. 1905	*Bullock, Burnett	Milburn House, Mitcham, Surrey.
48	Oct. 1920	*¶Bulstrode, Charles Leonard	13, Stour Road, Christchurch, Hants
80	Oct. 1911	*¶Bumpstead, Albert Dennis ..	70, Heath Gardens, Twickenham Middlesex.
23	Oct. 1906	*Bunting, Alfred Henry.. ..	14, Morden Road, Stechford, Birmingham.
81	Oct. 1911	*¶Burford, James Alfred Heath	Surveyor's Office, Bromsgrove U.D.C. Worcestershire.
43	Oct. 1903	*¶Burge, Arthur John	31, St. John's Hill, Clapham Junction, S.W.11.
73	Oct. 1913	*¶Burge, Gilbert Alban	c/o Mr. Eyles of Messrs. Sinnott and Son, 12, Broad Street, Bristol.
91	Oct. 1910	*¶Burgess, Arthur	Estate and Rating Office, Mersey Docks and Harbour Board, Liverpool.
78	Oct. 1923	*¶Burgess, Haydn Mervyn Rhys	1, Mecklenburgh Street, Mecklenburgh Square, W.C.1.
79	Oct. 1923	*¶Burgess, Robert Coleman	The Moat, Ash, nr. Canterbury Kent.
90	Nov. 1918	*¶Burkitt, Cecil	26, Corsica Street, Highbury, N.
59	Feb. 1906	*¶Burkitt, Harold, M.Sc. (*Durham*), N.D.A.	Glenside, Etherley Lane, Bishop Auckland.
14	Oct. 1908	*Burn-Callander, Cuthbert ..	The Cottage, Barford, Warwick.
91	Nov. 1918	*¶Burnett, Andrew Stuart ..	2, High Street, Southampton.
49	Oct. 1920	*¶Burnett, Donald	91, Ryelands Street, Hereford.
50	Oct. 1920	*¶Burnett, William John Felix	"Fairmead," Beaulieu Villas, Finsbury Park, N.4 (Middlesex).
74	Oct. 1913	*Burrell, Frank	22, Ship Street, Brighton.
55	Oct. 1909	*¶Burrows, Edward Crawford, Major, M.C.	Messrs. Toplis & Harding, 28, Old Jewry, E.C.2.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
3204	Oct. 1897	*¶Burrows, Frank Herbert ..	Little Tinton, Warehorne, near Ashford, Kent.
4645	Oct. 1905	*Burstal, Arthur Cyril.. ..	3, Lancaster Place, Strand, W.C.2
4144	Oct. 1903	*¶Burstow, Ralph Henry	46, Station Road, Bexhill-on-Sea, Sussex.
7075	Oct. 1913	*¶Burt, Douglas Allan	18, Cross Lane, Andover, Hants.
8151	Oct. 1920	*¶Burt, Walter Leslie	Penland, Steyning, Sussex.
8152	Oct. 1920	*¶Burton, Ernest	35, Byron Street, Patricroft, near Manchester.
4382	Oct. 1904	*Burton, George Frederick ..	107, Bedford Road, S.W.4.
8439	Oct. 1921	*¶Burton, Reginald John Croft	Roseneath, Valley Road, Kenley, Surrey.
7076	Oct. 1913	*Burton, Walter William ..	45, Fenchurch Street, E.C.
8961	Oct. 1922	*¶Bush, Arthur Brinsley ..	c/o The Estates Offices, Lewes, Sussex.
9180	Oct. 1923	*¶Bush, Dennis George ..	c/o Messrs. Powell & Co., The Estate Offices, Lewes, Sussex.
5124	Oct. 1907	*Butler, Arthur Stanley ..	256, Edward Road, Balsall Heath, Birmingham.
5637	Oct. 1909	*Butler, Reginald	Clyde House, 51, Romford Road, Stratford, E. (Essex).
5125	Oct. 1907	*¶Butler, Thomas Lionel	8, Henrietta Street, Covent Garden, W.C.2.
7077	Oct. 1913	*¶Butlin, Henry Selwyn	27, St. Johns Road, March, Cambridgeshire.
9181	Oct. 1923	*¶Butt, Stanley George ..	8, Landscape View, Saffron Walden, Essex.
5893	Oct. 1910	*Butterfield, Henry Ambler, Major, A.M.I.C.E.	Ministry of Transport, Roads Dept., R.E.'s Office, Chalk, nr. Gravesend.
4926	Oct. 1906	*Buttrick, Walter Hammond..	Bank Chambers, 109, High Street, Scunthorpe, Lincs.
8551	Oct. 1912	*¶Byron, Edmund Moore	c/o E. S. Cox, Esq., Beechlands, York.
7078	Oct. 1913	*Bywaters, Stewart Frank ..	Mayes Place, Warlingham, Surrey.
8440	Oct. 1921	*¶Caffyn, Sidney Charles ..	1, Church Street, Leatherhead, Surrey.
8905	Jan. 1922	¶Caldwell, Fred	52, Ashbourne Road, Aigburth, Liverpool.
9182	Oct. 1923	*¶Callan, James Wilson ..	Village View, Burnage Lane, Didsbury, Lancs.

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927	Oct. 1906	*CALLF, GEORGE STUART	Mill Lodge, Seaford, and c/o Stua Callf and Co., Terminus Building Seaford, Sussex.
153	Oct. 1920	*¶CALVERLEY, GEORGE	1, West View, Newton Hill, nr Wakefield.
082	Oct. 1913	*CAMERON, CHARLES GRANT ..	Brae Cottage, Hopeman, Morayshire
154	Oct. 1920	*¶§CAMERON, DONALD..	32, Egerton Gardens, Ealing, W. (Middlesex).
008	Oct. 1919	*¶CAMERON, ROBERT	Argyll County Education Authorit Dunoon, Scotland.
359	Oct. 1898	*CAMPBELL, CHARLES HOWARD ..	The Shamba, Abinger, Hamme Surrey.
441	Oct. 1921	*¶CAMPBELL, CYRIL HERBERT ..	Richmond Cottage, Stindon, Susse
083	Oct. 1913	*CAPE, JAMES DUNCAN	County Buildings, Dunfermline.
895	Oct. 1910	*¶CAPPER, WILLIAM	Valuation Office, Inland Revenu Union Street Chambers, Coventr
155	Oct. 1920	*¶CARLESS, JAMES KINGDON ..	11, Old Queen Street, Westminste S.W.1.
084	Oct. 1913	*CARNABY, HAMMOND RIDLEY, A.M. MUN. and C.E.	12, Weolay Hill, Selly Oak, Bi mingham.
156	Oct. 1920	*¶CARPENTER, GEORGE THOMAS, M.C., A.M.I.C.E.	W. Riding Surveyors' Departmen County Hall, Wakefield.
415	Oct. 1908	*¶CARPENTER, ROBERT HENRY ..	" Parkwood," St. Swithuns Terrac Lewes, Sussex.
183	Oct. 1923	*¶CARR, EDWIN	7, Herbert Street, Blaengarw, Glam
360	Oct. 1898	*¶CARR, HERBERT FRANCIS	52, Golders Green Road, N.W (Middlesex).
186	Oct. 1911	*¶CARR, RANDLE WILLIAM, M.R.A.C.	Ministry of Agriculture and Fisherie 9A, York Street, Bath.
442	Oct. 1921	*¶CARTER, CHARLES	Estate & Valuation Dept., L.C.C Old County Hall, Spring Garden S.W.1.
962	Oct. 1922	*¶CARTER, CHARLES CROMWELL	The Cottage, Wenvoe, nr. Cardiff.
086	Oct. 1913	*CARTER, GEORGE RALPHS	District Valuer's (County) Office, Upp Parliament Street, Nottingham.
157	Oct. 1920	*¶CASELEY, JOHN REGINALD, B.Sc. Eng. (*Lond.*)	42, Alwyne Road, Wimbledon, S.W.19 (Surrey).
929	Oct. 1906	*¶CASS, ALEXANDER JAMES	46, Hardy Road, Westcombe Park, S.E
128	Oct. 1907	*CASTELL, DOUGLAS CHARLES ..	2, Pont Street, Belgrave Square, S.W
088	Oct. 1913	*CATCHPOLE, WILLIE DAVID ..	The Cottage Mill House, Great Ba ton, Bury St. Edmund's.
443	Oct. 1921	*¶§CATHRALL, LEONARD GWILT..	18, Clwyel Street, Rhyl, Flintshir
803	Oct. 1901	*CATLEUGH, WILLIAM DENZIL ..	14, Rosevine Road, Cottenham Parl West Wimbledon, S.W. (Surrey).
111	Feb. 1903	*¶CATON, THOMAS LINFIELD.. ..	Walter House, 418-422, Strand, W.C.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8158	Oct. 1920	*¶Caton, Wilfred Abraham ..	30, Vicarage Gardens, Seven Kings, Essex.
6553	Oct. 1912	*Cattlin, Osmond, a.m.i.c.e. ..	Borough Engineer, Lambeth Town Hall, Brixton, S.W.2.
8963	Oct. 1922	*¶Causley, Samuel	124, Evering Road, Stoke Newington, N.16.
9184	Oct. 1923	*¶Cave, Alexander Melville...	St. James' Vicarage, Handsworth, Staffs.
7091	Oct. 1913	*¶Chadwick, Samuel Moore ..	Pond Hill, Shorncliffe Camp, Kent.
1572	Jan. 1889	*Chalcraft, Henry Terrell ..	35, New Broad Street, E.C.
7793	Nov. 1918	*¶Challice, John	7, Bedford Circus, Exeter.
5638	Oct. 1909	*¶Chamberlain, Benjamin	"Pendennis," Sherwood Park Road, Sutton, Surrey.
4650	Oct. 1905	*Chamberlain, Harry Samuel..	91, St. Andrew's Road, Southsea, Hants
7794	Nov. 1918	*§Chamberlain, Reginald Percy, Capt., m.c.	23, Fosse Road Central, Leicester.
6554	Oct. 1912	*Chamberlain, Thomas Chandless	The Limes, Takeley, near Bishops Stortford, Herts.
8159	Oct. 1920	*¶Chamberlain, Walter Ernest	98, Queens Road, Finsbury Park, N.4.
9185	Oct. 1923	*¶Chambers, Holroyd Ferris	Shewglie, Welwyn Garden City, Herts
7092	Oct. 1913	*Chambers, John Francis.. ..	4, Belgravia, Goole, Yorks.
5129	Oct. 1907	*¶Champion, William Hall.. ..	Woodville, Pitsmoor, Sheffield.
8906	Jan. 1922	Chandler, Ernest Herbert	Mount Pleasant, Overhill Road, Dulwich, S.E.22.
5639	Oct. 1909	*Chant, Arthur Guy	274, Warwick Road, Carlisle.
6556	Oct. 1912	*¶Chapman, Donald Le Cronier	Room 77, Valuation Office, Lincoln's Inn Fields, W.C.2.
8444	Oct. 1921	*¶Chapman, Frederick Montague	West Dean, Chichester.
6188	Oct. 1911	*¶Chapman, Richard Thwaite, a.r.i.b.a.	Highrigg, Eastbourne Grove, Heaton, Bolton, Lancashire.
1006	Dec. 1883	Chapman, Vaughan Godfrey St. John	1, Laurel Road, Hatfield Road, St. Albans, Herts.
8160	Oct. 1920	*¶Chappell, John	St. Clair, Harboro Road West, Ashton-on-Mersey.
4385	Oct. 1904	*Chapple, John Graddon.. ..	Torrington House, Sandy Lane South,
7094	Oct. 1913	*Charity, Frederick William	Wallington, Surrey. Glencoe, Woodside Avenue, Esher, Surrey.
5643	Oct. 1909	*Charles, John Acheson	82, Park Drive, Barrow-in-Furness, Lancashire.
3767	Feb. 1901	*Charles, Michael Thomas, b.a. (*Cantab.*)	Fruitlands, Eynsham, Oxon.
8964	Oct. 1922	*¶Charman, Francis Eric ..	St. Annes, College Hill, Haslemere, Surrey.

p.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
15	Oct. 1903	*Chartres, Frederick William Charles	Whitehall, Willingham, Beccles, Suffolk.
14	Oct. 1909	*¶Chasemore, Alec.	Ashleigh, Horsham, Sussex.
37	Oct. 1912	*¶Chaworth-Musters, John Nevile	Annesley Park, Nottingham.
38	Oct. 1912	*Cheesewright, Ernest	102, Wormholt Road, Shepherds Bush, W.12.
96	Oct. 1919	*Cheesman, George	6, Hawkeswood Crescent, Kirksall, Leeds.
45	Oct. 1921	*¶Chenevix-Trench, Hugo ..	Park Farm House, Woburn, Beds.
60	Oct. 1912	*¶Chennels, Arthur John.. ..	c/o Wilkinson, Son & Welch, 170, North Street, Brighton.
46	Oct. 1921	*¶Cherry, Albert Edwin ..	12, Alma Terrace, Fulford Road, York.
47	Oct. 1921	*¶Chessor, George Clinton ..	Claremont, Victoria Street, Fraserburgh. N.B.
65	Oct. 1922	*¶Chesterman, Arnold de Merveilleux	B.M.S. Yakusu, Haut Congo, Belge, West Central Africa.
31	Oct. 1907	*Chew, Percival Thomas.. ..	Borough Surveyor's Office, Town Hall, Paddington, W.
37	Oct. 1904	*Chew, Richard, Major ..	47, Cathcart Road, S. Kensington, S.W.10.
39	Oct. 1911	*¶Cheyne, Alexander	Durham County Council, Sedgefield, Ferryhill, Durham.
45	Oct. 1909	*Chilcott, Arthur Samuel Fairweather	16, Hanover Street, Hanover Square, W.
09	Nov. 1892	*Child, Charles	Slinfold, near Horsham, Sussex.
26	Dec. 1888	*Child, Edmund Herbert, A.R.I.B.A.	12, Middle Pavement, Nottingham.
30	Feb. 1906	*Child, George Malcolm	66, High Street, Harrow-on-the-Hill.
36	Oct. 1922	*¶Chilton, Arthur Francis ..	7, Langholm Crescent, Darlington.
08	Oct. 1897	*Chipp, George	24, South Street, Greenwich, S.E.
20	Oct. 1899	*Church, Geoffrey Redmore ..	1, Welbeck Court, Addison Bridge Place, Kensington, W.14.
31	Oct. 1920	*¶Clack, John	104, Victoria Street, S.W.1.
92	Oct. 1911	*¶Clark, Alexander Neilson ..	Architects Office, 21, Lombard Street, E.C.
51	Feb. 1908	*Clark, Charles Fowler	44A, Wellington Road, St. John's Wood, N.W.
93	Oct. 1911	*Clark, Charles Walter.. ..	The Cottage, Meath Green, Horley, Surrey.
51	Oct. 1905	*¶Clark, Cuthbert Harvey ..	8, New Cavendish Street, W.
46	Oct. 1903	*¶Clark, Herbert..	47, Mecklenburgh Square, W.C.2.
53	Oct. 1905	*¶Clark, Louis Van	c/o F. Butcher, 7, Tressillian Crescent, St. John's, S.E.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6109	Feb. 1911	*¶Clark, Philip Lockhart	28, Lochaker Street, Roath Park Cardiff.
6562	Oct. 1912	*¶Clark, Robert Charles.. ..	30, Bedford Road, Harrow.
7100	Oct. 1913	*Clark, William Campbell ..	Ruckley Estate Office, near Shifnal Salop.
6563	Oct. 1912	*Clark, William Ernest ..	42, Alfred Street, Ripley, Derbyshire
7797	Nov. 1918	*¶Clark, William George Austin, B.Sc.	24, Addiscombe Court Road, Croydon
8967	Oct. 1922	*¶Clarke, Edward Jeffrey ..	c/o Messrs. Hughes & Norton, Corn Street House, Bristol.
6565	Oct. 1912	*¶§Clarke, Frank Harold.. ..	9, Houghton Street, Southport.
8448	Oct. 1921	*¶Clarke, Frederick Edward	Yew Tree Lodge, Feltham Hill Road Ashford, Middlesex.
6566	Oct. 1912	*Clarke, James Andrew	39, Meldon Road, Longsight, Man chester.
8968	Oct. 1922	*¶§Clarke, Leonard Frederick	Higher Farm, Middle Chinnock Crewkerne, Som.
4655	Oct. 1905	*¶Clarke, Percy Christopher ..	Longthorpe, Peterborough.
4656	Oct. 1905	*¶Clarke, Thomas Guy	2, Palace Road, Llandaff, Glamorga shire.
7102	Oct. 1913	*¶Clarke, Vincent Cooper.. ..	13, Park Place, St. James's Stree S.W.1.
7103	Oct 1913	*¶Clarke, William Thomas ..	Crossley Buildings, 18A, South Cast Street, Liverpool.
5902	Oct. 1910	*¶Clarkson, John..	74, Aberdour Road, Goodmayes, Esse
6568	Oct. 1912	*Clayton, Joshua	High Row Chambers, Darlington Durham.
6956	Feb. 1913	*Clemens, William Cecil, A.M.I.C.E.	103, Hodford Road, Golders Gree N.W.11 (Middlesex),
8449	Oct. 1921	*¶Clemo, James	2, Glencoe, Watering Hill, Mou Charles, St. Austell, Cornwall.
7104	Oct. 1913	*¶Clevely, Frank Davis ..	14, Douglas Avenue, Wembley, Middlesex.
7105	Oct. 1913	*¶Cleworth, William Armine Wale	Bunbury, Tarporley, Cheshire.
8969	Oct. 1922	*¶Cliffe, Tom Fairhurst	"Craig Dene," Wigan Road, Ashto in-Makerfield, Lancs.
6569	Oct. 1912	*¶Clifton, Charles	6, Clifton Road, Brighton.
8970	Oct. 1922	*¶Clifton, Edward Noel ..	Finsbury House, Blomfield Stree E.C.
8907	Jan. 1922	Clinch, E. A.	8, Halliford Street, Canonbury, N.1
6196	Oct. 1911	*Clipson, Samuel	Surveyor's Dept., Municipal Office Dyne Road, Kilburn, N.W. (Middlesex).

Ip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
32	Oct. 1906	*Clough, Herbert Healey ..	25, Fenton Street, Rochdale, Lancs.
07	Oct. 1913	*¶Clough, William Howe	8, Simonside Terrace, Heaton, Newcastle-on-Tyne.
98	Nov. 1918	*¶Coales, Herbert Wallis, Capt., m.c.	Ministry of Transport, Roads Dept., 84, Colmore Row, Birmingham.
86	Oct. 1923	*¶§Coatman, William Francis	Charlton House, Masons Avenue, Croydon, Surrey.
60	Oct. 1900	*Cobb, Henry Alfred William	1, Nimrod Road, Streatham, S.W.
11	Oct. 1897	*Cobbe, Henry Alexander ..	The Grove, Sproughton, near Ipswich
08	Oct. 1913	*Cockerton, Arthur Edmund ..	County Surveyor, Oxford.
62	Oct. 1920	*¶Coffin, Bertram Gilbert ..	Norfolk House, Norfolk Street, Strand, W.C.2.
11	Oct. 1919	*¶Cogswell, Douglas Rupert ..	38, Ophir Road, North End, Portsmouth.
97	Oct. 1911	*Coigley, Harold Richard ..	9, Kensington High Street, W.8.
09	Oct. 1901	*Coker, Harry Reginald Ellis	106, Peckham Rye, S.E.15.
75	Oct. 1902	*Coker, Ralph Hector	c/o A. Edmunds & Co., Ltd., 29 & 30, High Holborn, W.C.1.
99	Nov. 1918	*¶§Colbeck, Henry, a.r.i.b.a. ..	14, Union Court, Old Broad Street, E.C.2., and 14, Grange Road, Ealing, W.5 (Middlesex).
00	Nov. 1918	*¶Cole, Frederick William ..	Gatcombe, Ray Park Avenue, Maidenhead, Berks.
71	Oct. 1922	*¶Cole, Joseph Charles	74, St. George's Square, Westminster, S.W.1.
10	Oct. 1913	*¶Coleman, Cyril Frank	1, Highbury Villas, Cotham, Bristol.
33	Oct. 1907	*Collard, Percy William.. ..	90, North Side, Wandsworth Common, S.W.18.
03	Oct. 1910	*Collins, Isaac	The Hectorage, Tunbridge, Kent.
04	Oct. 1910	Collins, James Stanley	31, High Street, Guernsey, Channel Islands.
72	Oct. 1922	*¶Collins, Owen Hyman	61, Old Broad Street, E.C.2.
12	Oct. 1919	*¶Collins, Philip Howard ..	Ellerslie, Aldenham Road, Bushey, Herts.
50	Oct. 1921	*¶Collins, Sydney Herbert	28, Linden Road, Shinfield, Reading.
11	Oct. 1913	*Collins, William Richard ..	Council Offices, Ham, Surrey.
78	Oct. 1912	*¶Colliver, Arthur Henry ..	Kamptee, India.
50	Oct. 1903	*Collyer, Charles Alexander Stewart	Toddington, Winchcombe, Glos.
31	May 1890	*Collyer, Daniel William ..	34, Miller Arcade, Preston, Lancashire.
87	Oct. 1923	*¶Colyer, Charles Ernest ..	Arborfield, Beckenham Grove, Shortlands, Kent.
90	Oct. 1904	*¶Commander, Charles Curtis..	London and North Eastern Railway Co., Estate and Rating Dept., Liverpool Street Station, E.C.2.
88	Oct. 1923	*¶Concanen, Tholen Alfred Hugh	7, Bedford Row, W.C.1.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6198	Oct. 1911	*Conder, Alfred Rowland, F.R.I.B.A.	42, Cecile Park, Crouch End, N.8 (Middlesex).
3524	Oct. 1899	*¶Cook, Edward Arthur	Leacroft, 3, St. Edmund's Road, Ipswich.
3662	Oct. 1900	*Cook, Frederick Charles ..	Ministry of Transport, Roads Dept., 84, Colmore Row, Birmingham.
8451	Oct. 1921	*¶Cooke, Reginald Arthur ..	Crossfield House, Winsford, Cheshire.
9189	Oct. 1923	*¶Cooke, Richard Thomas ..	4, Hilltop Villas, Rockhill, Bromsgrove, Worcestershire.
6363	Oct. 1900	*¶Cooke-Yarborough, Orfeur Frederic	Wensley House, Leyburn, Yorkshire.
8452	Oct. 1921	*¶Coombe, George Arnold ..	26, Regent's Park Road, Gloucester Gate, N.W.1.
9190	Oct. 1923	*¶Cooper, Alan Bertram ..	Borough Surveyor's Office, Brighouse, Yorks.
5135	Oct. 1907	*Cooper, Bertie	Borough Surveyor's Office, Town Hall, Paddington, W.
4392	Oct. 1904	*¶Cooper, Cecil Francis Adrian	c/o Messrs. Cox & Co., H. Dept., 16, Charing Cross, S.W.1.
6957	Feb. 1913	*¶Cooper, Francis William ..	3, Wrightington Street, Wigan.
6199	Oct. 1911	*¶Cope, Reginald, Capt., R.E. ..	c/o A. Rutter Sons & Co., 30, Abbeygage, Bury St. Edmund's.
3367	Oct. 1898	*¶Cope, William George	6, Old Quebec Street, Marble Arch, W.
6200	Oct. 1911	*¶Corbett, William	28, Arlington Street, Glasgow.
4393	Oct. 1904	*Corble, Archibald Harrison ..	3, Pancras Lane, E.C.4.
4657	Oct. 1905	*¶Corfield, Arthur King	1, Windsor Avenue, New Longton, near Preston, Lancs.
8013	Oct. 1919	*¶Cork, Ronald John	Duckyls, East Grinstead, Sussex.
6201	Oct. 1911	*Cornell, William Arthur ..	c/o Messrs. Palmer & Turner, Architects and Surveyors, Hong Kong.
4151	Oct. 1903	*Cornwell, William James ..	5, Douglas Street, Vickerstown, Barrow-in-Furness, Lancashire.
8973	Oct. 1922	*¶Cossar, Edgar Leslie	Park House, Station Road, Borrowash, near Derby.
8453	Oct. 1921	*¶Cossham, Philip Raymond ..	44, Sandringham Road, Roath Park, Cardiff.
7802	Nov. 1918	*¶Cossins, Charles George ..	413, Oxford Street, W.1.
4394	Oct. 1904	*Cotching, George Frederick ..	26, Chapel Road, Worthing, Sussex.
4152	Oct. 1903	*Cottam, Harry, A.M.I.C.E. ..	Resident Engineer, Fylde Water Board, Hodder Valley Works, Dale Head, Clitheroe.
8974	Oct. 1922	*¶Cotton, Arthur John Powell	37, Woodberry Avenue, Winchmore Hill, N.21 (Middlesex).
8975	Oct. 1922	*¶Cottrall, Victor William ..	The Homestead, Rodney Road, New Malden, Surrey.

Mp. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
14	Oct. 1913	*¶Coucher, Alfred Edwin Reneson	27, Quebec Street, W.1.
08	Oct. 1911	*Couldrey, Herbert Mill ..	Sunniva, Paignton, Devon.
03	Nov. 1918	*Coulson, Eric James	34, Abbots Road, Kings Heath, Birmingham.
04	Oct. 1911	*Coulthard, Joseph	Dalston R.S.O., Cumberland.
15	Oct. 1913	*Counsell, William Anderson	Union Valuer's Office, 160, Walker Street, Preston, Lancs.
76	Oct. 1922	*¶Courtney, Lionel Guy ..	Ampton, near Bury St. Edmund's.
75	Oct. 1912	*Cousins, Walter Horace.. ..	Eastover, Bridgwater.
21	Oct. 1908	*Coventry, Bernard Seton ..	Burgate Manor, Fordingbridge, Hants.
91	Oct. 1915	*¶Cover, George William ..	Tirbach, Cwm Taff, near Merthyr Tydfil.
22	Oct. 1908	*¶Covernton, Christopher Alan	District Engineer's Office, S. African Rlys., Relaying, Dundee, Natal, Africa.
16	Oct. 1895	*Cowell, Herbert Lee	Central Chambers, Newquay, Cornwall.
33	Oct. 1920	*¶Cowley, Ernest Robert ..	78, Gresham Road, Staines, Middlesex.
58	Oct. 1905	*¶Cowley, Herbert Reginald ..	24, High Street, Southend-on-Sea, Essex.
91	Oct. 1923	*¶Cox, Albert Edward ..	Nook Cottage, Bottesford, Nottingham.
59	Oct. 1905	*¶Cox, Douglas Harold	345, Finchley Road, N W.3.
77	Oct. 1912	*Cox, Gordon Wilkinson.. ..	Kinbrae, Chelston, Torquay, Devon.
05	Oct. 1911	*Cox, Norman Wilkinson.. ..	307, Goldhawk Road, W.12.
7	Oct. 1922	*¶Cox, Robert Norton Bayliss	Normandy, Ashby Road, Burton-on-Trent.
3	Oct. 1906	*Cox, Victor Jennings	Trabes, Shamley Green, Guildford, Surrey.
5	Nov. 1918	*Cox, William Douglas	24, Lothian Road, Middlesbrough, Yorkshire.
7	Oct. 1907	*¶Crabb, Arthur Horace	17, Kimberley Road, Leytonstone, Essex.
8	Oct. 1912	*Cragg, Walter	13, Clifton Avenue, Altrincham, Cheshire.
7	Oct. 1911	*Craig, Andrew, Jun.	194, West George Street, Glasgow.
2	Nov. 1916	*¶Craig, Joseph Hugh	Rosario, Rosetta Park, Belfast.
2	Feb. 1909	*¶Cranfield, Guy William, Major, M.B.E.	Bramley House, Enfield, Middlesex.
4	Oct. 1920	*¶Crawford, James Jack.. ..	Rock View, Dumbarton.
3	Oct. 1922	*¶Creasey, Robert Douglas ..	71, High Street, Sidcup, Kent.
7	Oct. 1913	*¶Crichton, James Stuart ..	52, Elderslie Street, Glasgow.
4	Oct. 1906	*Crimes, Frederic Charles ..	Kidsgrove U.D.C., Surveyor's Office, Kidsgrove, Staffs.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8454	Oct. 1921	*¶Crofts, Peter Ewan	The Old House, Caythorpe, Lincs.
4428	Oct. 1899	*Crook, Hollis Augustus.. ..	311, Kentish Town Road, N.W.
8165	Oct. 1920	*¶Crosby, Arthur Benson ..	Union Offices, Parson's Lane, Bury.
8908	Jan. 1922	Croser, Archibald William	Roll's Chambers, 89, Chancery Lane, W.C.
4935	Oct. 1906	*Cross, Clement	18, Walbrook, E.C.
6580	Oct. 1912	*Cross, Cyril John, Capt.	51, Broadgate, Preston.
4936	Oct. 1906	*Cross, Pembroke Henry Cockayne	30, Regent Street, S.W.1.
8979	Oct. 1922	*¶Crosse, Stanley Howard ..	17, Southwold Mansions, Elgin Avenue, Maida Vale, W.9.
8456	Oct. 1921	*¶Crossland, Harry Ewart ..	30, Highgate, Beverley, Yorks.
5649	Oct. 1909	*Crossley, Thomas Edgar ..	Engineers' Dept., Great Southern Railway, Buenos Aires, Argentine, S. America.
7118	Oct. 1913	*Crossley, Vernon	61, Hollingworth Road, Littleborough, near Manchester, Lancashire.
7806	Nov. 1918	*Crouch, Geoffrey Thomas ..	The Clock Tower, Mount Felix, Walton-on-Thames, Surrey.
4596	Oct. 1904	*Crowley, Walter St. Leger ..	32, Hall Place, Spalding, Lincs.
6209	Oct. 1911	*Crump, Thomas Graham.. ..	1, Addiscombe Road, East Croydon, Surrey.
6210	Oct. 1911	*¶Crundall, William Henry ..	c/o Standard Bank, Nairobi, B. E. Africa.
4397	Oct. 1904	*¶Cubitt, Horace William, A.R.I.B.A.	7, New Square, Carey Street, W.C.
8166	Oct. 1920	*¶Cullen, Alexander, A.R.I.B.A.	88, Cadzow Street, Hamilton, N.B.
7807	Nov. 1918	*¶Cullington, Stanley Cyril..	85, Farrant Avenue, Wood Green, N.22 (Middlesex).
4937	Oct. 1906	*Culme-Seymour, Arthur Granville	Estate Office, Clogheen, Co. Tipperary
8167	Oct. 1920	*¶Cumberland, Stephen	Surveyor's Department, County Hall, Wakefield.
9193	Oct. 1923	*¶Cumbers, Ernest Joseph Henry	335, Upper Richmond Road, East Sheen, S.W.14 (Surrey).
8980	Oct. 1922	*¶Cundy, Thomas James	Linby, Nottingham.
8168	Oct. 1920	*Cunnah, George Osborne	47, Woodhouse Road, Mansfield.
5142	Oct. 1907	*Cunningham, William Frederick	"Fairmead," Green Lane, New Eltham, S.E.9.
7121	Oct. 1913	*¶Curtall, Edward Percy.. ..	8, Bernards Road, Olton, near Birmingham.
6585	Oct. 1912	*Curtis, Frederick John	78, Hillier Road, S.W.11.
5907	Oct. 1910	*¶Curtiss, Edward Herbert ..	Valuation Office, 111-113, Great Portland Street, W.
3216	Oct. 1897	*Cushen, Charles Osmon	27, Clements Lane, Lombard Street, E.C.4.

¶ Special Rating Diploma.

Mbrship. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
398	Oct. 1904	*Cutler, Frank Sydney	Borough Surveyor's Dept., Town Hall, Marlborough, Wilts.
593	Oct. 1915	*¶Cutmore, Henry James	76, Rosebank Avenue, Harrow.
350	Oct. 1909	*Cutts, Edward James	99, Pevensey Road, Eastbourne, Sussex.
429	Oct. 1908	*Dabbs, Douglas William ..	74, Stamford Hill, N.
586	Oct. 1912	*¶Daborn, Alwyne Victor.. ..	21, Lower Teddington Road, Hampton Wick, Middlesex.
156	Feb. 1897	*Dafforn, George Bertie ..	25, High Street, Wimbledon Common, S.W. (Surrey).
351	Oct. 1909	*Dakers, David	19, Charing Cross Road, W.C.2.
315	Oct. 1901	*Dale, Edward Sydney Wilson	c/o Messrs. Simmons & Co., Basingstoke, Hants.
981	Oct. 1922	*¶Dallow, Leonard	26, Cambridge Road, Rathmines, Dublin.
982	Oct. 1922	*¶Daly, Alan Dunstan	4, Marlborough Hill, Harrow, Middlesex.
369	Oct. 1898	*Dancaster, Arthur	14, Tregonwell Road, Bournemouth.
123	Oct. 1913	*Daniels, Reginald Arthur ..	The Alliance Chambers, 56, London Street, Norwich.
457	Oct. 1921	*¶Daniels, Thomas Goldsworthy	69, Derby Lane, Stoneycroft, Liverpool.
194	Oct. 1923	*¶Dann, Herbert	20, Holland Street, Sutton Coldfield, near Birmingham.
308	Nov. 1918	*¶Darby, Nicholas Henry Nelson	Silvermere, 79, Severn Road, Weston-super-Mare, Somerset.
156	Oct. 1903	*Darley, Robert Bradshaw, Capt.	Sutton Bridge, Lincs.
325	Feb. 1910	*Darnell, Charles Tilley ..	The Gables, Blaby, near Leicester.
594	Oct. 1915	*¶Dartnall, Ernest Victor ..	Forest House, High Stone, Leytonstone, Essex.
212	Oct. 1911	*¶Dartnall, James Ambrose ..	11, Dowgate Hill, Cannon Street, E.C.4.
158	Oct. 1921	*¶Darvill, Douglas Harry ..	City Engineer's Dept., City Hall, Port Elizabeth, S. Africa.
100	Oct. 1904	*Davenport, Gilbert Capell ..	Damerham, Salisbury.
365	Oct. 1905	*Davenport, Herbert	75, Rectory Grove, Clapham, S.W.
389	Oct. 1912	*¶Davey, Edwin Clissold	86, Eccleston Square, S.W.1.

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6213	Oct. 1911	*¶DAVIES, ALBERT GEORGE.. ..	City Surveyor's Office, Town Hall, Manchester.
8014	Oct. 1919	*DAVIES, ARTHUR..	327, Euston Road, N.W.
5144	Oct. 1907	*¶DAVIES, FREDERICK WILLIAM ..	High Street, Thornbury, Gloucestershire
6592	Oct. 1912	*DAVIES, HARRY TUDOR	43, Heoldon, Whitchurch, Glamorgan.
8170	Oct. 1920	*¶DAVIES, JOHN LEWIS	Hazelhurst, Acland Road, Bridgend, Glam.
6594	Oct. 1912	*¶DAVIES, JOHN LLEWELLYN.. ..	Architect and Surveyor's Dept., Council Offices, Barry, Glam.
8171	Oct. 1920	*¶DAVIES, JOHN RICHARD ..	Avondale, Tewkesbury, Glos.
4157	Oct. 1903	*¶DAVIES, LEONARD OWEN	11, Freeland Road, Ealing, W. (Middlesex).
8459	Oct. 1921	*DAVIES, PERCIVAL LEOPOLD LAWRENCE	9, Kenilworth Court, Putney, S.W.15.
6595	Oct. 1912	*DAVIES, PHILIP ISAAC	The Croft, Victoria, Mon.
8172	Oct. 1920	*¶DAVIES, SIDNEY	10, Vicarage Road, Amblecote, Stourbridge, Worcestershire.
8016	Oct. 1919	*¶DAVIES, THOMAS WALTER ..	90, North Side, Wandsworth Common, S.W.18.
8460	Oct. 1921	*¶DAVIS, ALBERT JOHN	17, Northolme Road, Highbury Park, N.5.
5430	Oct. 1908	*DAVIS, ARTHUR JAMES	The Cottage, Croft Lane, Letchworth, Hertfordshire.
8983	Oct. 1922	*¶DAVIS, CHARLES HAROLD READ	2, York House, Kensington, W.8.
9195	Oct. 1923	*¶DAVIS, EDWIN ARTHUR ..	10, Glensdale Road, Brockley, S.E.4
7595	Oct. 1915	*¶DAVIS, FRANCIS ROBERT EDWARD	7, Glyn Mansions, Kensington, W.14
8909	Jan. 1922	DAVIS, REGINALD WILLIAM JOHN	13, John Street, Adelphi, W.C.2.
7810	Nov. 1918	*DAVIS, THOMAS HENRY CLIFFORD	Glyndwr, Cornwall Road, Sutton, Surrey.
7126	Oct. 1913	*¶DAVIS, WILLIAM WINWOOD ..	97, Rodenhurst Road, Clapham, S.W.
5911	Oct. 1910	*DAVISON, LOUIS JAMES	P.O. Box 86, Bulawayo, S. Rhodesia South Africa.
3817	Oct. 1901	*DAVY, CLIFTON ROBERT, F.R.I.B.A.	The Outer Temple, Strand, W.C.
6593	Oct. 1912	*DAW, EDMUND NORMAN	c/o Messrs. St. Quintin Son & Stanley, 50, Threadneedle Street, E.C.2.
8461	Oct. 1921	*¶DAWES, ARTHUR HENRY.. ..	Addiefield, Western Road, Tring.
3979	Oct. 1902	*DAWKINS, ALBERT JAMES	43, Howard's Lane, Putney, S.W.5.
8173	Oct. 1920	*¶DAWSON, JOSEPH ARTHUR ..	7, Park Road South, Birkenhead.
8984	Oct. 1922	*¶DAWSON, LESLIE	39, Church Street, Dufftown, Scotland.
8462	Oct. 1921	*¶DAWTON, HAROLD PULLEN ..	9, Oakley Road, Caversham, Reading
7128	Oct. 1913	*DAY, CYRIL WALTER	Victoria Buildings, Alfreton, Derbyshire.
8174	Oct. 1920	*¶DAY, JOHN HANKS	18, Middle Row, High Street, Maidstone.

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5149	Oct. 1907	*Day, Joseph Reynolds	Thorpe Coombe, Forest Road, Walthamstow, E. (Essex).
7129	Oct. 1913	*¶Day, Stanley Lewis	Lockinge, Northumberland Road, New Barnet.
7683	Nov. 1916	*¶Deacon, Edwin Thomas.. ..	70, Ship Street, Brighton.
9218	Oct. 1910	*¶Deakin, Francis Henry.. ..	243, Hagley Road, Edgbaston, Birmingham.
9196	Oct. 1923	*¶Dean, Henry William ..	11, Benet Street, Cambridge.
8175	Oct. 1920	*Dean, Noel	School of Agriculture, University of Cambridge.
5600	Oct. 1912	*Dean, Sam	Council Offices, Hipperholme, Halifax
8463	Oct. 1921	*¶Dedicoat, Joseph Leonard..	31, Moor Lane, Great Crosby, Liverpool.
8464	Oct. 1921	*Denton, Arthur Smith ..	Revelstoke, Brincliffe Crescent, Sheffield.
8465	Oct. 1921	*¶Denton, Herbert	Branksome, S. Hiendley, Barnsley Yorks.
3602	Oct. 1912	*¶Dewhirst, Charles Leslie ..	67, Rainsford Road, Chelmsford.
3603	Oct. 1912	*¶Dewhurst, Thomas Herbert..	23, Symonds Road, Preston, Lancs.
5654	Oct. 1909	*Dickie, Albert George	30, Tooting Bec Gardens, Streatham S.W.
7131	Oct. 1913	*¶Dickin, Edward Lyndup ..	58A, Pall Mall, S.W.1.
3534	Oct. 1899	*Dickinson, James Murgatroyd	14, Church Road, Ashford, Kent.
3604	Oct. 1912	*Dickinson, William Greenhalgh	St. Werburgh Chambers, Chester.
7132	Oct. 1913	*¶Dickson, Duncan Peter	The Brambles, Orche Hill Avenue Gerrard's Cross, Bucks.
8466	Oct. 1921	*¶Dickson, John Andrews ..	Rockland Villas, Newcastle, Co. Down, Ireland.
4405	Oct. 1904	*Dixon, Francis Evelyn	Homeleigh, River Avenue, Palmer's Green, N.13 (Middlesex).
3985	Oct. 1922	*¶Dixon, Percy Sidney, A.R.I.B.A.	128, Algernon Road, Lewisham, S.E.13.
9197	Oct. 1923	*¶Dobson, Charles George ..	11, Avenue Mansions, Sisters Avenue, S.W.11.
7681	Nov. 1916	*¶Dobson, William	47, Raeberry Street, Glasgow.
7133	Oct. 1913	*¶Docherty, John, Jun.	Inland Revenue Office, Adelaide Street, Swansea.
3176	Oct. 1920	*¶Dockrill, Arthur David ..	Broadlands, Newport, Isle of Wight.
7135	Oct. 1913	*Dodds, Percy	Northlands, Stockton Lane, York.
5915	Oct. 1910	*Dodgshon, Edmund Charles ..	Firfield, Southside, Streatham Common, S.W.16.
7136	Oct. 1913	*¶Donaldson, James	50, Station Road, Hayes, Middlesex
9198	Oct. 1923	*¶Donaldson, Victor Cecil ..	252, Queen's Road, Dalston, E.8.
8467	Oct. 1921	*¶Done, John Paul Cussons..	c/o Messrs. Done, Hunter & Co. Cricklewood, N.W.2. (Middlesex.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
5656	Oct. 1909	*¶Donger, William James	Westgate Chambers, Winchester.
9199	Oct. 1923	*¶Doorbar, Bertram Arnold..	Beacon View, West Malvern, Worcs.
3221	Oct. 1897	*Douglas, Bernard Moxon ..	Fairway, Crofton Cliffs, Lee-on-Solent, Hants.
8177	Oct. 1920	*¶Dove, James Faith	20, Burlington Place, Eastbourne.
7140	Oct. 1913	*Dow, John Armour	Estate Office, Elvedon, Suffolk.
8178	Oct. 1920	*¶Downer, George Collins ..	Flaxlea, Station Road, Redhill, Surrey.
8986	Oct. 1922	*¶Downie, William Arthur ..	33, Woodsome Road, Dartmouth Park, N.W.5.
8468	Oct. 1921	*¶Dowse, Archibald Thomas..	14, Swanmore Road, Bishops Waltham, Hants.
6606	Oct. 1912	*¶Doyle, Graham	Imperial War Graves Commission, St. Omer, France.
7812	Nov. 1918	*Draper, Frederick Charles ..	22, Greenfield Road, Old Town, Eastbourne.
5658	Oct. 1909	*¶Drew, John Denys	24, East Southernhay, Exeter.
7141	Oct. 1913	*§Drew, Sydney Vernon	104, Alfriston Road, Clapham Common, S.W.11.
6607	Oct. 1912	*Drewry, George Hayward ..	Hargate Hall, Millers Dale, Buxton, Derbyshire.
7721	Oct. 1917	*¶Driver, Ellis Samuel	Estate Office, L.S.W.Rly., Waterloo Station, S.E.1.
8018	Oct. 1919	*¶Drury, William Alexander..	66, West Street, Harrow, Middlesex.
4941	Oct. 1906	*Duck, George Francis	Estate Office, Station Approach, Gerrard's Cross, Bucks.
6609	Oct. 1912	*Duckworth, William Henry, A.M.I.C.E.	Surveyor's Dept., Council Offices, Watford, Herts.
8469	Oct. 1921	*¶Duff, Robert Duncan ..	3, Broadgates Road, Wandsworth Common, S.W.18.
8470	Oct. 1921	*¶Duguid, John Milloy ..	31, Elm Street, Logie, Dundee.
6611	Oct. 1912	*Dunbavand, Eustace	6, Grange Road, West Hartlepool, Durham.
7142	Oct. 1913	*Duncan, Harry..	7, Gladstone Place, Stirling, N.B.
8471	Oct. 1921	*Dunch, Charles Robinson	c/o R. G. Bare, Granville House, Arundel Street, W.C.2.
4942	Oct. 1906	*Dunlop, Charles John, M.R.I.A.I.	18, Ely Place, Dublin.
7813	Nov. 1918	*¶Dunn, John William	27, Overdale Gardens, Langside, Glasgow.
4445	Oct. 1905	*Dunn, William, Jun.	Hinton Farm, Twyford, Berks.
8020	Oct. 1919	*¶Dunster, Henry Frank	11, Brigham Road, Reading.
5151	Oct. 1907	*Durant, Frederick Henry ..	"Maisonette," Martello Road, Walton-on-Naze, Essex.
5439	Oct. 1908	*Durden, Stanley John	202, Melfort Road, Thornton Heath, Surrey.
6223	Oct. 1911	*Dutch, Robert Victor.. ..	48, Teignmouth Road, Cricklewood, N.W. (Middlesex).

p.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
13	Oct. 1912	*§Dyer, Frank, f.r.i.b.a. ..	42, Marlborough Road, Shipley, Yorks.
31	Oct. 1909	*Dyer, Frederick	Davyhall Chambers, Davygate, York.
14	Oct. 1911	*Eade, Christopher Aylmer..	Branson House, Darlington.
78	Oct. 1893	*¶§Easton, Walter John	82, Twyford Avenue, Acton Hill, W. (Middlesex).
22	Oct. 1901	*Eastwood, Charles William..	57, Parkgate Road, Chester.
14	Oct. 1912	*Eaton, George Morley	The Close, Radbourne, near Derby.
52	Oct. 1907	*Eaton, Rowland Wynne.. ..	Central Buildings, North John Street Liverpool.
10	Feb. 1911	*¶Eccleshall, George Bennett	34, Bradford Terrace, Worsley Road, Farnworth, Lancashire.
9	Oct. 1910	*¶§Eden, Frederick Stewart ..	5, Hampton Road, Chorlton-cum-Hardy, Manchester.
33	Oct. 1901	*Edgington, Walter, b.a.(*Oxon.*)	Whitehouses, Retford, Notts.
13	Oct. 1913	*¶§Edgson, Walter Stanley ..	27, Maddox Street, W.1.
9	Oct. 1920	*¶Edwards, David Edward ..	9, Talbot Road, Wrexham.
14	Oct. 1913	*Edwards, Eustace Herbert ..	4, Crow Tree Lane, Daisy Hill, Bradford, Yorks.
14	Nov. 1918	*¶Edwards, George Frank ..	Small Holdings and Land Settlement Dept., Shirehall, Gloucester.
6	Oct. 1911	*¶Edwards, Lancelot Reginald	Glen Lyn, King Henry's Road, Lewes.
7	Oct. 1911	*Edwards, Robert	Estate Office, Culford, Bury St. Edmund's.
3	Oct. 1921	*¶Edwards, Sidney James ..	Architect's Office, New Town Hall Site, Victoria Park, Colombo, Ceylon.
1	Oct. 1910	*Edwards, Thomas Henry ..	The Bridge Estate Office, London Road, Croydon, Surrey.
4	Oct. 1921	*¶Eeles, Henry Swanston ..	Greencroft Park, Lanchester, co. Durham.
5	Oct. 1921	*¶Eggar, John Graham	Cedar Cottage, Bentley, Hants.
0	Oct. 1923	*¶Elgar, Nigel Edward Beresford	The Limes, Sittingbourne, Kent.
9	Feb. 1913	*¶Elkington, Christopher Garrett	Mortimer House, Farfield, Kidderminster.
5	Oct. 1913	*Elkins, Charles Henry	The College, 27, Binswood Avenue, Leamington.
8	Oct. 1911	*¶Ellam, Geoffrey Walter ..	5, Cavendish Road, Chorlton-cum-Hardy, Lancs.
1	Oct. 1923	*¶§Ellingham, Ernest Joseph	81, James Street, Rugby.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6615	Oct. 1912	*Elliott, Austin Hooton, A.M.I.C.E.	Surveyor to the Urban District Counci Carlton, Nottinghamshire.
8180	Oct. 1920	*¶Elliott, Charles Pynsent ..	Park Farm, Woburn, Bletchley, Beds
8476	Oct. 1921	*¶Elliott, Reginald	55, Ritherdon Road, Balham, S.W.17
7146	Oct. 1913	*Ellis, Clifford Bartlett ..	28, Chertsey Street, Guildford, Surrey
9202	Oct. 1923	*¶§Ellis, Owen William Beresford	29, Glengarry Road, E. Dulwich, S.E
6617	Oct. 1912	*¶Ellis, Thomas Gwynne	The West Bungalow, Holt, Trow bridge.
4411	Oct. 1904	*Ellyatt, George Frederick ..	White Croft, East Dulwich Grove, S.E
4945	Oct. 1906	*¶Elmes, Frederick Lansell ..	Southolm, Knighton Road, Leicester.
6618	Oct. 1912	*¶§Elphick, Richard	4, Palace Mansions, Muswell Hill, N (Middlesex).
8021	Oct. 1919	*¶Else, Charles Glossop	Surveyor's Office, Barton-on-Humbe Lincs.
7815	Nov. 1918	*¶Elwell, Eric Reginald ..	Bank Chambers, Albert Street, Derb
6446	Feb. 1912	*¶Emery, George Montagu ..	Cromwell House, Broadstairs, Ken
5922	Oct. 1910	*¶English, Harry Edwin	Oaklands, Grove Hill, Woodford E.18 (Essex).
8987	Oct. 1922	*¶English, Roland Richard	Oaklands, Grove Hill, Woodford E.18 (Essex).
7147	Oct. 1913	*Entwistle, Thomas	Hazelwood, Temple Drive, Swinton Manchester.
4585	Feb. 1905	*Ermrich, Henry	43, Beatrice Avenue, Norbury, S.W (Surrey).
8022	Oct. 1919	*Esbester, Ernest Henry ..	City Valuer's Office, The Exchang Bristol.
5827	Feb. 1910	*¶Escolme, John	56, Hamilton Square, Birkenhead.
4162	Oct. 1903	*Evans, Charles Stokes Eaton	Petwood Estate Office, Woodhall Spa Lincolnshire.
6620	Oct. 1912	*¶Evans, David	Agricultural Office, College Stree Lampeter, Cardiganshire.
6621	Oct. 1912	*¶Evans, Ernest	c/o Messrs, J. Reynolds & Co, 4 King Street, Manchester.
8477	Oct. 1921	*¶Evans, Henry Lodowick Vincent	40, Royal York Crescent, Clifton Bristol.
5156	Oct. 1907	*Evans, Henry Montague ..	City Engineer's Department, Cit Hall, Cardiff.
7816	Nov. 1918	*¶Evans, John Edgar Vaughan	Murray House, Murray Street, Llanelly, S. Wales.
6623	Oct. 1912	*¶Evans, John Williams Percival	4, Brynmawr Terrace, The Walto Brecon, S. Wales.
6233	Oct. 1911	*¶Evans, Philip	Lynnside, Tirlemont Road, S. Croydon.
3677	Oct. 1900	*Evans, Rupert Maurice.. ..	Bank House, Stafford.
6624	Oct. 1912	*Evans, Samuel Bowlie	15, Buckingham Terrace, King E ward's Road, Swansea.

ip. o.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
82	Oct. 1920	*¶Evans, Simon	Trevigin, St. Dogmells, Pembrokeshire, and Auction and Estate Offices, High Street, Cardigan.
78	Oct. 1921	*¶Evans, Thomas Hugh	c/o Messrs. Burd & Evans, School Gardens, Shrewsbury.
83	Oct. 1920	*¶Evans, Thomas John	17, Glynrhondda Street, Cathays Cardiff, Glam.
88	Oct. 1922	*¶Evans, William Edgar ..	10, Llwyncelyn Road, Gwaun-cae-Gurwen, Glam.
84	Oct. 1920	*¶Evans, William Kenneth ..	71, Chertsey Road, Woking, Surrey.
85	Oct. 1920	*¶Evans, William Maurice ..	"Parkdale," Berriew Road, Welshpool.
89	Oct. 1922	*¶Eve, John Douglas Trustram	42, Bramham Gardens, S.W.5.
13	Oct. 1904	*Everard, Bernard	6, Millstone Lane, Leicester.
15	Nov. 1892	*Evered Gilliebrand Elwin	30, Stirling Road, Bournemouth.
16	Nov. 1892	*Everett, Arthur Sherman ..	14, Victoria Street, S.W.
03	Oct. 1923	*¶Every, Cecil Tom	105, Dartmouth Road, Brondesbury, N.W.2 (Middlesex).
90	Oct. 1922	*¶Ewbank, Arthur Leslie John, B.A. (*Cantab.*)	Holmwood, Limes Road, Weybridge.
91	Oct. 1922	*¶Ewing, Bernard Stopard ..	40, Church Street, Birdholme, Chesterfield.
17	Nov. 1918	*Exley-Fisher, Thomas	Glenroyd, Dymond Road, Heckmondwike, Yorkshire.
92	Oct. 1922	*¶Eyre-Matcham, John St. Leger	Newhouse, Redlynch, Wilts.
79	Oct. 1921	*Facer, Haldane Thomas ..	Corn Exchange, Hemel Hempstead, Herts.
25	Oct. 1912	*Fairclough, Vincent	The Gables, Leigh, Lancs.
79	Oct. 1905	*Fairweather, Norman Blumer	40, Christchurch Road, Streatham Hill, S.W.
46	Oct. 1908	Falkner, Frank Ninus	7, Hi l's Place, Oxford Circus, W.1.
26	Oct. 1912	*Falkner, John William.. ..	11, Elmwood Road, Croydon, Surrey.
25	Oct. 1919	*¶Farnsworth, William Charles	c/o Messrs. Berry Brothers & Bagshaw, Kettering.
15	Oct. 1904	*Farthing, Charles Harold ..	6, Station Yard, Twickenham, Middlesex.
16	Oct. 1904	*Farwell, Evelyn Wood	Lord Hylton's Estate, Kilmerdon, near Bath, Somersetshire.
18	Nov. 1918	*¶Faulkner, John Brafield ..	5, Craven Park Road, Harlesden, N.W.10 (Middlesex).

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6234	Oct. 1911	*FAULKNER, JOHN DENNIS	24, High Street, Baldock, Herts.
6235	Oct. 1911	*¶FAWCETT, KENNETH MORTIMER	26, Albion Street, Leeds.
8027	Oct. 1919	*¶FAYERS, HARRY	73, Euston Avenue, Watford, Herts.
9204	Oct. 1923	*¶FEAR, JOHN LAWRENCE	c/o Messrs. C. Osenton & Co., High Street, Dorking, Surrey.
8481	Oct. 1921	*¶FEATHERSTONE, FRANK MARSHALL	218, Lewisham High Road, Brockley, S.E.4.
9205	Oct. 1923	*¶FENN, HAROLD THEODORE ..	Abbey House, Victoria Street, S.W.1.
4164	Oct. 1903	*FENNING, JOHN HENRY	8, St. Paul's Square, Bedford.
6630	Oct. 1912	*FERGUSON, WILLIAM HARVEY ..	36, Arthur Street, Belfast.
5080	Feb. 1907	*FERREY, GERALD COLSTON ..	34A, Coney Street, York.
9206	Oct. 1923	*¶FERRIS, EDWARD HOLLIS ..	24, Vicarage Road, Henley-on-Thame Oxon.
9207	Oct. 1923	*¶FIELD, JOSEPH	1, Christchurch Avenue, Wembley, Middlesex.
3827	Oct. 1901	*FIELD, LEONARD MARTIN	40, High Street, Gosport, Hants.
5925	Oct. 1910	*FIELD, VICTOR	4, College Road, Little Thurrock, Grays, Essex.
5356	Feb. 1908	*FIELDING, ARTHUR EDWARD BRUCE	Littlethorpe Manor, Ripon, Yorkshire.
5447	Oct. 1908	*FIELDING, KENNETH HUBERT ..	51, London Street, Norwich.
4681	Oct. 1905	*FIFE, JAMES DONALD	H.M.O.W., Storey's Gate, S.W.1.
8186	Oct. 1920	*¶FIFIELD, CECIL STANLEY WILLIAM	235, Leytonstone Road, E.15 (Essex)
8993	Oct. 1922	*¶FIFIELD, CYRIL	41, Bray Road. Guildford, Surrey.
8187	Oct. 1920	*FIFIELD, HAFFORD EDWIN ..	1, Havelock Street, Stoke-on-Trent
4418	Oct. 1904	*¶FINCH, GEORGE FREDERICK ..	7, Crouch Hall Road, Crouch End, N (Middlesex), and 9, Stone Buildings W.C.2.
7150	Oct. 1913	*FINCHAM, EDWARD, CAPT., M.C., A.R.I.B.A.	Mark's Tey, Colchester.
6632	Oct. 1912	*FINISTER, HARRY	Public Offices, Huyton, near Liverpool.
8482	Oct. 1921	*¶FINN, GEOFFREY GOSTWYCKE	Watling Street, Canterbury.
6634	Oct. 1912	*FIRTH, WILLIAM JAMES, A.M.I.C.E.	16, Sandhurst Road, Mile End Lane Stockport.
5667	Oct. 1909	*¶FISHER, EDWIN GRAINGER ..	60, St. Barnabas Road, Cambridge.
6635	Oct. 1912	*FISHER, JAMES THOMAS	8, Stafford Street, Derby.
7151	Oct. 1913	*FISHWICK, VICTOR CHARLES ..	98, Oxford Gardens, N. Kensington, W
8995	Oct. 1922	*¶FITCH, CYRIL HENRY	54, Castle Road, Isleworth, Middlesex
6636	Oct. 1912	*FITCH, JOHN THOMAS, A.M.I.C.E.	45, Small Brook Street, Birmingham
4684	Oct. 1905	*FITCH, PHILIP	Engineer's Department, 299, Bar Mitre, Buenos Aires, South America
1123	Mar. 1884	FITNESS, JOHN FRANCIS	20, Therapia Road, Honor Oak S.E.22.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Nov. 1919	*¶§Fitzsimmons, Arthur	28, Garthorne Road, Honor Oak Park, S.E.23.
Oct. 1910	*¶Fleming, Herbert Sidney ..	83, Pall Mall, S.W.1.
Oct. 1921	*¶Fleury, Francis George ..	42, Lewisham Road, N.W.5.
Oct. 1913	*Flint, Arthur	Rushmoor, Hazlemere, High Wycombe, Bucks.
Oct. 1913	*Flitcroft, Percy	Ellesmere Estate Offices, Worsley, Lancashire.
Oct. 1911	*¶Flood, Alfred William.. ..	89, Westminster Bridge Road, S.E.1.
Oct. 1913	*¶§Flower, John James, B.A.I...	Seale-Hayne Agricultural College, Newton Abbot, Devon.
Oct. 1921	*¶Foat, Harry Alex	5, Great College Street, S.W.1.
Oct. 1906	*Foll, Wallace Arthur	Woburn Sands, Beds., and Bletchley, Bucks.
Oct. 1921	*¶Foot, William George ..	41, High Street, Totnes, S. Devon.
Oct. 1911	*Forbes, Alexander	40, Central Road, Gloucester.
Oct. 1922	*¶Ford, Arnold Spencer.. ..	"Redlands," Oakhill, Woodford Green, Essex.
Oct. 1902	*Ford, C. Graham	Engineer's Dept., Metropolitan Asylums Board, Sheffield Street, W.C.2
Oct. 1913	*Ford, Charles William Ernest	"Whitehall," Savings Bank Court, High Street, Ashford.
Feb. 1910	*Forge, Raymond James	c/o Holland & Co., Argyle Corner, West Ealing Station, W. (Middlesex).
Oct. 1919	*¶Forrester, Harold	The Bridge Estate Office, London Road, W. Croydon.
Oct. 1921	*¶Forsaith, Frederick Leslie	43, Elmwood Road, W. Croydon.
Oct. 1921	*¶Forster, Edmund Taylor ..	44, Devonshire Road, Liverpool.
Oct. 1905	*Foster, Gaius	Architect's Department, London County Council, New County Hall, S.E.1.
Oct. 1910	*Foster, Norman Beaumont ..	Ampthill, Beds.
Oct. 1919	*¶Foster, Richard Francis ..	29, Hill Street, Haverfordwest, S. Wales.
Oct. 1900	*¶Foster, Walter..	54, Pall Mall, S.W.
Oct. 1921	*¶Foster, Walter Laurence	Central House, Blachkeath, S.E.3.
Oct. 1913	*Fouracre, Frederick Walter	28, Mountfield Road, Church End, Finchley, N.3. (Middlesex).
Oct. 1922	*¶Fowler, Arthur	38, Chancery Lane, W.C.2.
Oct. 1905	*Fowler, Charles K.	Garrymore, Thong, nr. Gravesend, Kent.
Oct. 1911	*Fowler, Ernest Elias	4, Aden Grove, N.6.
Oct. 1923	*¶Fox, Anthony Bertram ..	146, Hill Lane, Southampton.
Oct. 1920	*¶Fox, Harold Lane	26, East Park Road, Harrogate.
Oct. 1910	*Fox, John Harper Graham ..	Wyndale, Belgrave Parade, Newcastle-on-Tyne.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8489	Oct. 1921	*¶Fox, Walter Edward ..	32, Killieser Avenue, Streatham Hill, S.W.2.
4951	Oct. 1906	*Francis, Bernard	National House, Newgate Street, E.C.
7824	Nov. 1918	*¶Francis, Edward Thorpe ..	Halliwell, Eastbourne Road, St. Austell, Cornwall.
8998	Oct. 1922	*¶Francis, Myles Victor Herbert	White Cottage, Loughton, Essex.
5669	Oct. 1909	*¶Francis, Thomas John Philip..	98, Northfield Road, King's Norton, Birmingham.
8031	Oct. 1919	*¶Francis, Thomas Phillip ..	Town Hall, Pontypool, Mon.
4953	Oct. 1906	*¶Franklin, Herbert John ..	Architect's Dept., L.C.C., New County Hall, S.E.1.
8910	Jan. 1922	Frazier, Gordon Stuart ..	19, Prospect Road, Moseley, Birmingham.
7159	Oct. 1913	*Frearson, Thomas Bingley ..	30, King's Avenue, Wolstanton, Staffs.
6244	Oct. 1911	*Freeman, Frank Condy	4, Bennet Street, St. James Street, S.W.1.
3539	Oct. 1899	*§Freeman, George	Kenmure, Spencer Hill, Wimbledon, S.W. (Surrey).
8490	Oct. 1921	*¶Freeman, Leonard George..	31A, Lichfield Grove, Church End, Finchley, N.3. (Middlesex.)
4167	Oct. 1903	*French, A. Martin	Bond Street House, 14, Clifford Street W.1.
8999	Oct. 1922	*¶Fresson, Kenneth Edward	c/o Messrs. Robins & Hine, 26-32, Abbey House, Victoria Street, S.W.1.
3682	Oct. 1900	*Freuer, William Samuel ..	19, St. Faith's Road, Dulwich, S.E.
9000	Oct. 1922	*¶Frew, James Allen	30, Mill Crescent, Buckie, Banffshire.
7161	Oct. 1913	*Frey, Henry	68, Aldbourne Road, Shepherd's Bush, W.
9001	Oct. 1922	*¶Fricker, Arthur Charles ..	271, High Road, Ilford, Essex.
3932	Feb. 1902	*Frost, Alfred Cardain	Station Gates, Beaconsfield, Bucks.
7162	Oct. 1913	*¶Frost, Ernest Davenall ..	Oak Tree Cottage, Banstead, Surrey.
6641	Oct. 1912	*Fulcher, Christopher Turtill (*Professional Associate of Council*)	Deputy Surveyor, Shoreditch Town Hall, Old Street, E.C.
6642	Oct. 1912	*Fulford, Frederick John ..	134, Queen's Walk, Nottingham.
6643	Oct. 1912	*¶Fullford, Charles George, M.S.A...	47, Castle Street, Salisbury.
6644	Oct. 1912	*Fulton-Smith, Graeme Gartshore	Queen's Chambers, 26A, Sankey Street, Warrington, Lancs.
9002	Oct. 1922	*¶Furber, John Oscar	3, Warwick Court, Gray's Inn, W.C.1.
6246	Oct. 1911	*¶Furniss, George	31, Old Lodge Lane, Purley, Surrey.
6645	Oct. 1912	*¶Fysh, Percy William	4, Melbourne Road, Leicester.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1920	*¶Gadd, Arthur	4A, Fairfield West, Kingston-on-Thames, Surrey.
Oct. 1921	*Gadd, John Edward	2, Maungate Villas, Maungate Road, Kingston Hill, Surrey.
Oct. 1902	*¶Gahan, Robert Beresford, Capt.	Donaguile House, Castlecomer, Co. Kilkenny.
Nov. 1918	*¶Gale, Henry Newlyn	Estate Office, Nuneham, near Oxford.
Oct. 1921	*¶Gale-Hasleham, Dudley Alfred	c/o Messrs. Adkin, Belcher & Bowen, 10, High Street, Abingdon.
Oct. 1909	*Gambell, Philip Clayton ..	83, High Street, Newport Pagnell, Bucks.
Oct. 1913	*¶Gammon, Frank Leonard ..	188, High Street, Guildford, Surrey.
Oct. 1912	*¶Gandy, Harold	Bailey Croft House, Wirksworth, Derby.
Oct. 1910	*Gandy, Robert Newton.. ..	Northwich, Cheshire.
Oct. 1923	*¶Gann, Thomas Leighton ..	Marrawah, St. George's Avenue, Dovercourt, Essex.
Oct. 1923	*¶Gard, Ernest John	72, London Road, Calne, Wilts.
Oct. 1921	*¶Gardner, Cecil Arthur ..	44, Talbot Road, Highgate, N.6 (Middlesex).
Oct. 1913	*Gardner, Henry, Jun.	Farlea, Carleton, Poulton-le-Fylde, Lancs.
Jan. 1922	Gardner, Harold Frank ..	"Dalkeith," Duke's Avenue, New Malden, Surrey.
Oct. 1905	*¶Gardner, James..	19, Grosvenor Road, Richmond, Surrey.
Nov. 1916	*¶Gardner, Osmond	c/o Assam Co., Nazira P.O., Upper Assam.
Oct. 1922	*¶Garner, Arthur, Jun. ..	Ecliffe, Torkington, near Stockport, Cheshire.
Oct. 1911	*¶Garnett, Wilfred Ewart ..	35, Holyoake Walk, Ealing, W.5. (Middlesex).
Oct. 1894	*Garrett, Arthur Berry.. ..	42, Poultry, E.C.
Oct. 1912	*¶Gask, John Harold, A.R.I.B.A.	Boro' Engineer's Dept., Municipal Buildings, Bournemouth.
Oct. 1911	*¶Gasson, Bernard	28, Temple Gardens, Golder's Green, N.W.4 (Middlesex).
Oct. 1913	*¶Gasson, Norman	27, Therapia Road, Honor Oak, S.E.22.
Oct. 1912	*¶Gasson, Stanley	Silchar House, Fife Road, Kingston-on-Thames, Surrey.
Oct. 1908	*Gates, Ernest Harry	49, Leander Road, London Road, Thornton Heath, Surrey.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6649	Oct. 1912	*Gawthorp, Harold Arthur..	Estate Office, Northfield Road, Kings Norton, Birmingham.
5161	Oct. 1907	*¶Gay, Frank..	c/o Messrs. Kemsleys, Broad Street House, New Broad Street, E.C.2.
3327	Oct. 1897	*Gayer, Alfred Edward, Major, M.C.	North London School of Surveying, 3, Finsbury Park Avenue, Hermitage Road, N.4 (Middlesex).
6961	Feb. 1913	*Geake, Herbert	27, Elm Avenue, Nottingham.
9004	Oct. 1922	*¶Geall, William Maurice ..	26, Nutfield Road, Thornton Heath, Surrey.
7722	Oct. 1917	*¶Geddes, Joseph William ..	Cedarhurst Avenue, Cedarhurst, Long Island, New York, U.S.A.
9005	Oct. 1904	*Gee, Frederic George	16, Ordnance Terrace, Chatham.
4169	Oct. 1922	*¶Geering, John Philip ..	Laurel Dene, Ashford, Kent.
4425	Oct. 1903	*¶Genders, Percy Robert	c/o Chief Surveyor, L.T.O., Regina, Saskatchewan, Canada.
5162	Oct. 1907	*¶George, Frederick Albert ..	City Surveyor's Office, Guildhall, E.C.
5933	Oct. 1910	*Gerrard, George	31, Sulivan Road, Hurlingham, S.W.6
8190	Oct. 1920	*¶Gibaud, Frederick Charles	7, Redland Park, Redland, Bristol.
6651	Oct. 1912	*¶Gibbings, Oliver Durant ..	30, Lowther Street, Carlisle.
7827	Nov. 1918	*¶Gibbs, Herbert Norman.. ..	7, Mountfield Road, Finchley, N.3. (Middlesex).
8191	Oct. 1920	*¶Gibson, Edwin Salter	214, High Road, Lee, S.E.13.
8494	Oct. 1921	*¶Gibson, Reginald John Campbell	12, Brynmill Crescent, Swansea.
7169	Oct. 1913	*¶Gibson, William	Templewood, Old Park Ridings, Grange Park, N.21 (Middlesex).
7828	Nov. 1918	*Gibson, William Garnett ..	The Bungalow, Windermere.
4957	Oct. 1906	*Giffin, Charles Williams ..	South View, Letchworth, Hertfordshire.
8495	Oct. 1921	*¶Gilbert, Arthur	Brooklyn, Enfield Wash, N. (Middlesex).
2671	Oct. 1894	*Gilbert, John Sainsbury ..	70, Queen Street, Cheapside, E.C.
5164	Oct. 1907	*¶Gilbert-Lodge, Leicester James Garfield	38, Avondale Avenue, Woodside Park N.12 (Middlesex).
6249	Oct. 1911	*Giles, Charles Malcolm.. ..	Post Office, Nairobi, British East Africa.
7829	Nov. 1918	*Gill, Francis Andrew	Glenfin Cottage, White Rose Lane, Woking.
7830	Nov. 1918	*¶Gill, Robert	Moray House, Blisworth, Northants.
8496	Oct. 1921	*¶Gill, William Ernest ..	2, Solness Street, Bury, Lancs.
4958	Oct. 1906	*Gill, William Philip	Bankside, Sydney Road, Guildford.
7831	Nov. 1918	*¶Gillett, Herbert Edward ..	Messrs. Ferris and Puckridge, 79 Queen Street, Cheapside, E.C.
6250	Oct. 1911	*Gillett, Sidney Eric	28, Holland Park Avenue, W.11.
6853	Oct. 1912	*Gillitt, John	2, Castle Street, Wellingborough, Northants.
5455	Oct. 1908	*Gimson, Martin..	6, Millstone Lane, Leicester.

p. o.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
72	Oct. 1909	*Gingell, John Taylor	Warish Hall, Takeley, Essex.
11	Oct. 1923	*¶Girling, Arthur Charles ..	The Hall, Thorington, nr. Colchester, Exeter.
97	Oct. 1921	*¶Girling, Francis Victor ..	Woodcroft, Bath Road, Felixstowe, Suffolk.
98	Oct. 1921	*¶Girling, John Robert ..	Woodcroft, Bath Road, Felixstowe, Suffolk.
54	Oct. 1908	*Girven, Frederick William ..	Surveyor's Dept., R.D.C. Offices, Easington, Co. Durham.
34	Oct. 1919	*Glasse, Alfred..	34, Fullers Road, South Woodford, E.18 (Essex).
35	Oct. 1901	*Gleed, Herbert Alexander..	8 and 9, Martin's Lane, Cannon Street, E.C.
05	Oct. 1905	*¶Glenn, George Frederick ..	West Lodge, West Byfleet, Surrey.
12	Oct. 1923	*¶Glenny, Kenneth Edward Boulton	34, Satanita Road, Westcliff-on-Sea, Essex.
15	Oct. 1910	*Goddard, Henry George Frederick	14, Hammet Street, Taunton.
56	Oct. 1908	*Godwin, Charles Fisher.. ..	Orchard Villa, Wellington Road South, Hounslow.
54	Oct. 1911	*¶Golby, Robert Edmund.. ..	13, Swiss Terrace, South Hampstead, N.W.6.
13	Oct. 1909	*Goodall, Eric William Aldrich	26, Cromwell Avenue, Highgate, N.6. (Middlesex).
32	Nov. 1918	*Goodenough, Kenneth Mackenzie	11, Russell Road, Redland, Bristol.
99	Oct. 1921	*¶Goodland, Henry Edward	Council Offices, Slough, Bucks.
76	Oct. 1903	*Goodwin, Percy Worthington	Copston, Hinckley, Leicestershire.
06	Oct. 1922	*¶Goodwyn, Charles Colin ..	Fielden Cottage, Roughdown Road, Boxmoor, Herts.
07	Oct. 1922	*¶Gordon, Albert Leslie ..	Finsbury House, Blomfield Street, E.C.2.
33	Nov. 1918	*¶Gordon, Andrew Donald ..	Station House, West Wickham, Kent.
77	Oct. 1903	*Gore, George Pym	81, Bondgate, Darlington, Durham.
56	May 1883	Gore, William Joll..	205, Wardour Street, W.
74	Oct. 1909	*¶Gosney, Stanley Harry.. ..	44, Addiscombe Road, Croydon, Surrey.
58	Oct. 1912	*¶Gossling, Rupert Emerson ..	Market Place, Prince's Risborough, Bucks.
27	Oct. 1904	*¶Gotelee, Guy Stanley	St. Cranbrook, Crichton Road, Carshalton.
14	Nov. 1918	*¶Goudie, Alexander Maclean	49, Main Street, Largs, Ayrshire.
57	Oct. 1908	*¶Goulder, Arthur Christopher	38, Sackville Street, Piccadilly, W.1.
9	Oct. 1912	*¶Goulding, George Dixon ..	2, Mount Road East, Sunderland, Durham.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6660	Oct. 1912	*Goulding, William Whittaker	8, Marshall Road, Levenshulme, Man chester.
8193	Oct. 1920	*Gowen, Stanley Charles Jonathan	29, Oldcott Green, Goldenhill, Tunst Staffs.
4698	Oct. 1905	*Gowland, Stephen Leversha	56, Holborn Viaduct, E.C.1.
6661	Oct. 1912	*Grabham, Stanley	113, Oxford Road, Linthorpe, Middl brough.
7835	Nov. 1918	*¶Graham, Edward	Union Offices, Chester-le-Street.
7837	Nov. 1918	*Graham, Henry Irving	Galegarth, Skinburness Road, Sillot Cumberland.
5939	Oct. 1910	*Grain, Henry Herbert Brett	66, St. Andrew's Street, Cambridge.
5357	Feb. 1908	*Grain, Peter Bovill..	66, St. Andrew's Street, Cambridge.
9008	Oct. 1922	*¶Granger, Norman Few ..	c/o Messrs. Hobbs & Chambers, Fa ingdon, Berks.
5940	Oct. 1910	*¶Grant, Leslie Thomas	35, Carlton Road, Putney Hill, S.W.
8194	Oct. 1920	*¶§Graves, Paul Kingsley ..	117, North Street, Brighton.
8035	Oct. 1919	*¶Gray, James	113, Dalkeith Road, Edinburgh.
4961	Oct. 1906	*Gray, James Arthur	145, Edgware Road, W.2.
7173	Oct. 1913	*Gray, John Bywell	Room 14, 3rd Floor, Mayfair, Belfas
7686	Nov. 1916	*¶Gray, Sydney John	186, Murray Road, Ealing, W (Middlesex).
4700	Oct. 1905	*¶Gray, William Edward	4, St. Margaret Street, Canterbury.
7838	Nov. 1918	*¶Green, Frederick Sidney ..	106, Taylor Road, King's Heat Birmingham.
8195	Oct. 1920	*¶Green, George Edward ..	10A, Vicarage Parade, West Green Road, N.15 (Middlesex).
7839	Nov. 1918	*Green, Graham Harry Wyndham, Capt., M.C.	The Warren, Willesborough, Kent.
8500	Oct. 1921	*¶Green, Harold	Charnwood, Cornwall Road, Harr gate.
8196	Oct. 1920	*¶Green, Herbert Frederick	Town Hall, Hendon, N.W.4. (Middl sex).
8501	Oct. 1921	*¶Green, Reginald George ..	Theddingworth, Leicestershire.
8036	Oct. 1919	*¶Green, Samuel Leroy Townsend	22, Chancery Lane, W.C.2.
6665	Oct. 1912	*Green, Thomas Frank, F.R.I.B.A.	272, Willesden Lane, N.W.2. (Middlesex).
8502	Oct. 1921	*¶Greenhalgh, Harold	179, Settle Street, Great Lever, B ton, Lancs.
8503	Oct. 1921	*¶Greenway, Archie Ernest	17, High Street, Eltham, S.E.9.
8504	Oct. 1921	*¶Greenway, William Astbury	Red Hall Road, Lower Gornal, Dudley, Worcestershire.
3230	Oct. 1897	*Greenwood, Ernest..	360, High Road, Chiswick, W. (Middlesex).
9009	Oct. 1922	*¶Greenwood, James Hedley	33, Rochdale Road, Harpurley, Ma chester.

p.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
2	Feb. 1911	*Greenwood, Joseph	West Banks, Riddlesden, nr. Keighley, Yorkshire.
5	Oct. 1913	*Greenwood, William	11, Richmond Terrace, Blackburn.
2	Oct. 1910	*Gregory, Charles Henry ..	4, Fillebrook Road, Leytonstone, E.11 (Essex).
3	Oct. 1923	*¶Gregory, Wallace James Ignatius Daniel	8, High Holborn, W.C.1.
0	Oct. 1911	*Gregory, William James.. ..	5, Booth Road, Whalley Range, Manchester.
7	Oct. 1912	*¶Grey, George Forbes	The Surrey Agricultural Committee, County Hall Annexe, Kingston-on-Thames.
4	Oct. 1923	*¶Gribble, Leslie John Goldby	Carmona House, Tyneview Road, Haltwhistle, Northumberland.
7	Oct. 1913	*Griffith-Roberts, Thomas William	52, Queens Street, Shrewsbury.
3	Oct. 1917	*¶Griffiths, Daniel	Granville House, Pontypool, Mon.
7	Oct. 1915	*¶Griffiths, Edgar Rees	12, College Street, Swansea.
8	Oct. 1920	*¶Griffiths, Harold	5, Hamilton Square, Birkenhead, Cheshire.
9	Oct. 1920	*¶Griffiths, Samuel Price ..	"Hadley," Alderley Edge, near Manchester.
2	Nov. 1892	*Griggs, Henry Jenner, A.R.I.B.A.	Metropolitan Bank Chambers, Newport, Monmouthshire.
1	Nov. 1918	*Grimshaw, Allan Leslie ..	252, Elliott Street, Tyldesley, Lancs.
1	Oct. 1911	*¶Grimwade, Frederick Clive..	5, Overstrand Mansions, S.W.11.
6	Jan. 1884	Grimwade, Henry	Colchester, Essex.
0	Oct. 1909	*¶Grogan, Harold Keith	P.O. Box, 288, Nairobi, Kenya Colony, Africa.
6	Oct. 1900	*Grove, Richard Thomas.. ..	Lincluden, Beaumont Road, Wimbledon Park, S.W.
2	Oct. 1909	*Grover, Luke Montagu	Public Works Dept., Accra, Gold Coast, W. Africa.
3	Oct. 1909	*Gude, Charles, Jun.	9, St. Paul's Square, Bedford.
8	Oct. 1913	*†Gudgeon, George Harold ..	The Auction Mart, Winchester.
2	Feb. 1907	*¶†Gumbrell, Leonard Barton..	64, King Edward's Grove, Teddington, Middlesex.
9	Oct. 1913	*¶Gurner, Victor Thornton ..	The Cottage, Boston Avenue, Southend-on-Sea.
5	Feb. 1900	*Gurney, Ronald George ..	Ledbury Rural District Council, Ledbury, Herefordshire.
6	Oct. 1910	*Gurney, Sidney John	Llanberis, Hernes Road, Oxford.

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Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7843	Nov. 1918	*HADDEN, FREDERICK WILLIAM	21, Bradley Gardens, Ealing [W (Middlesex), and 9, Stone Buil ings, W.C.2.
8505	Oct. 1921	*¶HADDOW, ROBERT BAYNE ..	Strowan, Bridge of Weir, N.B.
4180	Oct. 1903	*HAGGER, GEORGE JOHN	Warwick House, Grove Road, Sutto Surrey.
8038	Oct. 1919	*¶HAGGETT, HORACE PURCHASE ..	"Cargate," Bryngwyn Road, Newpo Mon.
8200	Oct. 1920	*¶HAGON, LEONARD	Craig Ard, Carnfield Hill, Alfreto Derbyshire.
3838	Oct. 1901	*¶HAINES, ALFRED HUBERT	Stanmore, Wye, Kent.
3996	Oct. 1902	*HALE, FRANCIS EDWARD	West Watch, Limpsfield, Surrey.
6672	Oct. 1912	*HALL, CYRIL ALBERT..	Survey Dept., Dar-es-Salaam, Ta ganyika Territory, British Ea Africa.
6448	Feb. 1912	*¶HALL, ERNEST WILLIAM.. ..	Limbe P.O., Nyasaland, Africa.
3020	Jan. 1896	*HALL, FREDERICK WALTER ..	Olliver, Richmond, Yorks.
6673	Oct. 1912	*HALL, HAROLD LONDESBOROUGH	Studholme, Healey, Batley, Yorks.
8039	Oct. 1919	*¶HALL, HERBERT GEORGE RHÔNE, CAPTAIN	26, Houghly Grove, Armley, Leed
6674	Oct. 1912	*HALL, HERBERT WILLIAM, A.M.I.C.E.	Assistant Engineer, B. & C. D. Ra way, Queen's Quay Station, Belfa
4181	Oct. 1903	*HALL, MONTAGUE PRESTON ..	38, Chancery Lane, W.C.
8201	Oct. 1920	*¶HALL, PATRICK MARTIN ..	Brook House, Warsash, Hants.
8202	Oct. 1920	*¶HALL, RICHARD LESLIE CARBY	Church House, Roundhay, Leeds.
8203	Oct. 1920	*¶HALL, THOMAS RAINBIRD ..	3, Meadway, Gidea Park, Essex.
1766	Oct. 1895	*HALL, THOMAS BIDDLE	Hoxne, near Diss, Suffolk.
7181	Oct. 1913	*¶HALL, WALTER HOWARD, A.M.I.C.E.	46, Queen's Road, Finsbury Park, (Middlesex).
4704	Oct. 1905	*HALLAM, FRANK VINCENT.. ..	55, Adolphus Road, Finsbury Pa N.4 (Middlesex).
9215	Oct. 1923	*¶HALLAM, HENRY ARTHUR ..	8, Low Pavement, Nottingham.
9010	Oct. 1922	*¶HALLAM, HENRY CECIL ..	Black Heath Estate Office, Saxmun ham, Suffolk.
7844	Nov. 1918	*¶§HALLS, ARTHUR HAROLD ..	30, Swiss Avenue, Chelmsford, Ess
5171	Oct. 1907	*HALSE, SIDNEY JOSEPH	13, Yuen Ming Road, Shanghai.
8506	Oct. 1921	*¶HAMES, PERCIVAL JAMES ..	C.E. in Chief's Department, Adm alty, S.W.1.
4792	Oct. 1905	*HAMILTON, EDWARD	Valuation Dept., L.C.C., Old Cour Hall, Spring Gardens, S.W.1.

).).	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6	Oct. 1912	*Hamilton, James Eastwood ..	78, West Side, Clapham Common, S.W.4.
0	Feb. 1882	Hamilton, John Paynter ..	64 and 65, Coleman Street, E.C.
2	Oct. 1913	*Hammick, George Frederick ..	Estate Office, Kingsteignton, S. Devon.
9	Oct. 1910	Hammond, George Addison	Air Ministry, Room 161, Works and Buildings, 4A, Empire House, Kingsway, W.2.
9	Oct. 1910	*¶Hammond, John Bernard ..	8, Bennett Road, Headingley, Leeds.
6	Oct. 1923	*¶Hampshire, Edwin George..	High Street, Northleach, Gloucester.
9	Oct. 1900	*¶§Hancock, Henry Sydney, Jun.	Sydney Place, St. Austell, Cornwall.
3	Oct. 1913	*Hando, Frederick John ..	50, Onslow Gardens, Wallington, Surrey.
7	Oct. 1921	*¶Hankinson, Harold	46, Parson Cross Road, Wadsley Bridge, Sheffield.
8	Oct. 1915	*¶Hannam, Guy Norton	94, Sarsfield Road, Wandsworth Common, S.W.
3	Oct. 1907	*¶Hannon, John Michael	Old County Hall, Spring Gardens, S.W.
5	Oct. 1894	*Hardiman, Harry	6, Wellington Gardens, Battle, Sussex.
4	Oct. 1920	*Harding, Charles Richard..	81, South Street, Yeovil.
9	Dec. 1887	*Harding, Frederick Allcroft	Willis's Room, King Street, S. James, S.W.1.
4	Oct. 1913	*¶Harding, George Pool	19, Tankerville Road, Streatham Common, S.W.16.
5	Nov. 1918	*¶Harding, Henry Norman, Major, M.C.	Milton, Thornbury Road, Isleworth, Middlesex.
6	Nov. 1918	*¶Hardman, Edgar Austin ..	Messrs. Montague Holmes & Sons, 33, Paternoster Row, E.C.4.
8	Oct. 1895	*Hardwick, Arthur Jessop ..	Eagle Chambers, Kingston-on-Thames, Surrey.
5	Feb. 1913	*¶Hardy, Alan	Gilling Keane, Kendal, Westmorland.
5	Oct. 1920	*¶Hardy, Cuthbert	91, Derby Road, Long Eaton, near Nottingham.
3	Oct. 1920	*¶Harker, Alec.	71, Belgrave Road, New Moston, Failsworth, Manchester.
3	Oct. 1921	*¶Harkness, William Alfred	22, Crescent Villas, Iona Road, Glasnevin.
0	Oct. 1900	*Harlow, William Wyatt Ridgway, A.M.I.C.E.	Orsett House, Birmingham Road, Kidderminster.
3	Oct. 1904	*Harrington, Charles Poland	43, Arragon Gardens, Streatham Hill, S.W.
4	Oct. 1904	*¶Harrington, Frederick Josiah	31, Craven Street, Strand, W.C.2.
9	Oct. 1921	*¶Harris, Francis Kenneth Craig	11, Hawthorn Street, Cobridge, Stoke-on-Trent.
9	Oct. 1909	*Harris, Horace Samuel	12, Shrubbery Villas, Bushey Road, Sutton, Surrey.

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9011	Oct. 1922	*¶HARRIS, JAMES COLE	Jewry Chambers, Winchester.
9217	Oct. 1923	*¶HARRIS, SAMUEL	Arley Castle, Bewdley, Worcs.
7185	Oct. 1913	*HARRIS, WILFRID HENRY ..	165, Crowborough Road, Tooting Bec Common, S.W.17.
8510	Oct. 1921	*¶HARRIS, WILLIAM MURRAY ..	10, Ryde Vale Road, Balham, S.W.
9012	Oct. 1922	*¶HARRISON, AMYAS	29, Elm Bank Mansions, Barne Surrey.
2959	Oct. 1895	*HARRISON, ARTHUR	The Hermitage, Norton, Durham.
2960	Oct. 1895	*HARRISON, CYRIL H. GILMORE..	Great Brington, Northampton.
3840	Oct. 1901	*HARRISON, ERNEST	Hillside, Hest Bank, near Lancaste
3311	Feb. 1898	*HARRISON, HENRY BEAUCHAMP	Newington House, Windsor Forest.
8207	Oct. 1920	*¶HARRISON, JAMES ALLEN ..	4, Trevew Road, Truro.
6681	Oct. 1912	*¶HARRISON, NORMAN SIMONS ..	Field Head, Brierley, nr. Barnsley.
8511	Oct. 1921	*¶§HARRISON, PERCY CHARLES	Lands Valuation Dept., 249, Geor Street, Glasgow.
8209	Oct. 1920	*¶HARRISON, WILLIAM MICHAEL	"Dunoon," Greenbank Road, Da lington.
9218	Oct. 1923	*¶HARRY, HOWELL	Maes Street, Llangennech, S. Wal
6268	Oct. 1911	*HART, ARTHUR REGINALD GLENDOWER	Survey Department, Uganda.
8210	Oct. 1920	*¶HART, FRANK JAMES	44, Gordon Road, Ealing, W (Middlesex).
5462	Oct. 1908	*¶HART, HERBERT EDWARD.. ..	8, Preshaw Crescent, Lower Gre West, Mitcham.
7186	Oct. 1913	*HART, ROBERT	Hillcrest, Radcliffe New Road, Whi field, Manchester.
7187	Oct. 1913	*HARTLAND, KENNETH WRIGHT..	United Services Club, Livingston W. Rhodesia. S. Africa.
6683	Oct. 1912	*HARTRIDGE, ELIOT NOEL	94, Queens Road, Richmond, Surre
5952	Oct. 1910	*HARVEY, JAMES MOREWOOD ..	Creglorne, Londonderry.
6684	Oct. 1912	*¶HARVEY, WILLIAM AYTON.. ..	60, Buckingham Palace Road, S.W
7847	Nov. 1918	*HARWOOD, WALTER	Chirambe, Limlie P.O., Nyasalan Africa.
4708	Oct. 1905	*¶HASLEHUST, ERIC THOMASSET..	Manor Office, Yealmpton, S. Devon.
8512	Oct. 1921	*¶HATHAWAY, WALTER ALBERT	Coshneuk Road, Millerston, n Glasgow.
5691	Oct. 1909	*HATTON, JOHN DOUGLAS	10, King Street, Hereford.
9013	Oct. 1922	*¶HAUGH, JAMES PATRICK ..	107, Beno Road, Pontypridd, S. Wa
6686	Oct. 1912	*¶HAUGHTON, CECIL	c/o Messrs. Eiloart & Sons, Chancery Lane, W.C.2.
7189	Oct. 1913	*HAWKINS, WILLIAM JOSEPH ..	Land and Estates Department, P of London Authority, E.C.3.
7848	Nov. 1918	*¶HAWORTH, THOMAS	Ivanhoe Villas, Walton-le-Dale, n Preston.
7849	Nov. 1918	*¶HAY, CUTHBERT JOSEPH, CAPT.	11, Weech Road, Hampstead, N.W
7599	Oct. 1915	*¶HAYCOCK, HARRY	95, King's Road, Kingston-on Thames.

p. o.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
75	Oct. 1907	*¶Hayes, Frederick Percy ..	The Thornes, New Road, Chesham, Bucks.
86	Oct. 1903	*Hayllar, Sidney Hayllar ..	c/o Sadler and Baker, Camberley, Surrey.
87	Oct. 1912	*¶Haylock, Henry Evennett ..	19, Trinity Square, Nottingham.
41	Oct. 1919	*¶Haynes, Herbert Cecil	16, Montem Road, Forest Hill, S.E.23.
41	Oct. 1901	*Hayward, Arthur Baldwin ..	14, John Street, Adelphi, W.C.
36	Oct. 1904	*¶Hayward, Joseph	4, Randolph Court, Portsdown Road, W.9.
93	Oct. 1909	*¶Hayward, William Hansell..	8, Breams Buildings, Chancery Lane, E.C.4.
37	Oct. 1904	*Hazlett, John Joseph	Estate Commission Office, Upper Merrion Street, Dublin.
34	Oct. 1897	*Head, William Alfred	43 and 45, Durham Street, Vauxhall, S.W.
76	Oct. 1907	*Healy, Harry Prince	94, Castlewood Road, Stamford Hill, N.
13	Oct. 1921	*¶Hearn, George Leonard ..	Hill Field, Mill Hill, N.W.7 (Middlesex).
77	Oct. 1907	*¶Heath, Sidney Howard	Granville House, 3, Arundel Street, Strand, W.C.
93	Oct. 1912	*Heaton, Guy	130, Uxbridge Road, Ealing, W. (Middlesex).
54	Oct. 1910	*¶Heaton, Herbert	41, Fishergate, Preston.
12	Oct. 1920	*¶(Heaton, John Joseph.. ..	2, Baildon Hall, Baildon, nr. Bradford, Yorks.
13	Oct. 1920	*Heaton, Peter	43, Park Street, Northwich, Cheshire.
94	Oct. 1912	*¶§Heaven, Frank Henry, A.R.I.B.A.	39, Coronation Street, Aberkenfig, Bridgend, Glamorgan.
42	Oct. 1919	*Hedges, Oscar John	15, Castle Street, High Wycombe.
14	Oct. 1920	*¶Hedley, Hubert Frederick	26, Bolingbroke Road, Aylsham Road, Norwich.
50	Nov. 1918	*Hedley, Michael Thompson..	Canwell, Sutton Coldfield, near Birmingham.
55	Oct. 1910	*Hedley, Reginald Thomas Fenwick	31A, Colmore Row, Birmingham.
56	Oct. 1910	*Heelas, Raymond John	Town Hall Chambers, Guildford.
51	Nov. 1918	*¶Heeley, Hixon Harry	Divisional Estate Office, L.M. & S. Rly., Hunt's Bank, Manchester.
79	Oct. 1907	*Heeley, Joe	28, Alfred Road, Acton, W.3. (Middlesex).
15	Oct. 1921	*¶Heeley, Norman	Rating Surveyor's Office, L.N.W.R. Co., Euston Station, N.W.1.
26	Nov. 1892	*†Hellicar, George Thomas ..	47, Woodberry Grove, Finsbury Park, N.
52	Nov. 1918	*Hellier, Stanley John, Capt.	Council Offices, Formby, near Liverpool.

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Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8516	Oct. 1921	*¶Hemming, Gordon Wayte ..	21, Ellerker Gardens, Richmond.
6696	Oct. 1912	*¶Hemmons, Bernard..	10, Cambridge Park, Twickenham Middlesex.
6270	Oct. 1911	*Henderson, Lionel Edward..	"Croftdown," 179, Brighton Road Purley, Surrey.
5958	Oct. 1910	*¶Henderson, Percy Charles ..	55, Leigham Court Road, Streatham Hill, S.W.
5180	Oct. 1907	*Henderson, Reginald Alfred	15, Randall Road, Clifton, Bristol.
8215	Oct. 1920	*¶Henderson, Thomas	38, Jordan Lane, Morningside, Edinburgh.
4712	Oct. 1905	*Hendra, Albert John	Old County Hall, Spring Gardens S.W.1.
6697	Oct. 1912	*¶Hendrie, Robert John	Borough Surveyor's Office, Gilmour Street, Paisley.
7194	Oct. 1913	*¶Hendy, Alfred	39, Barras Lane, Coventry.
928	Apr. 1883	Henry, Edward Hugh	73, High Street, Clapham, S.W.
8216	Oct. 1920	*¶Henshaw, Lindley, M.C. ..	Oakleigh, Davenport Park, Stockport.
6699	Oct. 1912	*Herdman, Thomas Adam ..	Tynedale, Westerhope, near Newcastle-on-Tyne.
6271	Oct. 1911	*Herring, Ernest Leonard ..	c/o Messrs. Rumsey and Rumsey, 11 Poole Road, Bournemouth West.
8517	Oct. 1921	*¶Heslop, John Redvers ..	The Oaks, Burnopfield, co. Durham
4715	Oct. 1902	*¶Hewett, Richard	13, High Street, Battle, Hastings, Sussex.
8518	Oct. 1921	*¶Hewitt, Albert Tenyson Morley	The Old Manor House, Fordingbridge Hants.
8043	Oct. 1919	*Hewson, Charles George ..	64, Victoria Embankment, Darlington
5959	Oct. 1910	*¶Heywood, Reginald	County Surveyor's Department, Lancashire County Council Offices Preston.
3843	Oct. 1901	*Hickman, Arthur Murhall ..	Pride Hill Chambers, Shrewsbury.
4716	Oct. 1905	*Hickman, Frank Davis	9–11, Trust Buildings, Fox Street Johannesburg, S. Africa.
6701	Oct. 1912	*Hickman, Henry Richard ..	22, Moorgate Street, E.C.2.
6702	Oct. 1912	*¶Hicks, Stanley Vvyvian (*Chairman of Junior Meetings*) (*Professional Associate of Council*)	Lincoln House, 300, High Holborn W.C.1.
8520	Oct. 1921	*¶Hickson, Francis Vincent ..	47, Foregate Street, Worcester.
8044	Oct. 1919	*Hill, John Stuart	15, Addison Road, Bedford Park W.4. (Middlesex).
6703	Oct 1912	*Hill, Stanley	82, Stuart Crescent, Stanmore, Winchester.
7600	Oct. 1915	*¶Hill, Sydney Norman	Lansdowne, Baker Street, Enfield Middlesex.
7198	Oct. 1913	*§¶Hill, Thomas Cuthbertson..	4, Cavendish Place, Jesmond, Newcastle-on-Tyne.

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4	Oct. 1912	*Hill, Thomas Goundrey.. ..	The Nook, Foxcombe Hill, Oxford.
9	Oct. 1923	*¶Hill, Victor Falkland ..	c/o Messrs. J. L. Milne & Bourne, 43, Cannon Street, Birmingham.
7	Nov. 1916	*¶§Hill, William	41, North John Street, Liverpool.
1	Oct. 1921	*¶§Hill, William Archibald ..	83, Upland Road, East Dulwich, S.E.22.
2	Oct. 1921	*¶Hill, William John	Moss Dene, Park Estate, Prestbury, near Cheltenham.
5	Nov. 1918	*¶Hillary, Norman, Capt., m.c.	The Peak, Basingstoke, Hants.
4	Oct. 1900	*Hilliard, Hugh Neville.. ..	Chelmsford.
5	Oct. 1912	*Hills, Walter Vaughan ..	30, Durlston Road, Upper Clapton, E.5.
4	Oct. 1922	*¶Hills, William Thomas ..	Lorraine, St. Paul's Road, Paignton, Devon.
6	Oct. 1912	*Hilton, Oswald P. F., A.M.I.C.E.	Deputy Surveyor, Council House, Hounslow, Middlesex.
7	Oct. 1920	*¶Hindmarsh, James	7, Institute Terrace, Bearpark, Durham.
6	Oct. 1908	*Hingley, Joseph Bloomer ..	Bank Chambers, Nuneaton, Warwickshire.
4	Oct. 1911	*Hipkin, John	317, East India Dock Road, Poplar, E.
9	Oct. 1912	*Hirst, Byrom	6, Dunedin Road, Ilford, Essex.
2	Oct. 1913	*¶Hirst, Charles Henry	c/o F. Hayes, Esq., 24, Grosvenor Gardens, S.W.1.
6	Oct. 1909	*¶Hirst, William Frederick ..	Claremont, Rothwell, near Leeds.
3	Oct. 1913	*Hitchins, Stephen	75, Hillfield Park, Muswell Hill, N. (Middlesex).
1	Oct. 1912	*Hitchins, Walter William ..	University College, Reading
3	Oct. 1921	*¶Hobbs, Herbert Prenzel ..	10, Marsden Street, Manchester.
2	Oct. 1904	*Hobson, Frederick Vachell..	54/55, London Wall, E.C.
2	Oct. 1912	*Hockley, George William ..	130, Mount Street, W.1.
2	Nov. 1890	*Hodgkinson, James Henry ..	23, Delamere Street, Ashton-under-Lyne, Lancashire.
8	Oct. 1920	*¶Hodgkinson, Owen Allen	55, St. Michael's Road, Maesteg, Glam.
4	Oct. 1907	*¶Hodson, Anthony George ..	Sunnybank, Kingston Road, Lewes, Sussex.
5	Oct. 1907	*Hodson, Frederic Henry ..	26, Pretoria Road, Streatham Park, S.W.
6	Oct. 1913	*¶§Hodson, Henry Moulton ..	c/o Messrs. James Styles & Whitlock, Rugby.
5	Oct. 1919	*¶Hoggarth, William Edward Thomas	15, Nassau Street, Mortimer Street, W.1.
1	Oct. 1903	*Holbeche, Nigel Laurence ..	21, Bennett's Hill, Birmingham.
2	Oct. 1903	*Holditch, Charles Stanley ..	21, Lockyer Street, Plymouth.
3	Oct. 1910	*¶Hole, William Gerald	Bovey Tracey, S. Devon.
7	Oct. 1908	*¶Holford, Shelley	Braeside, Weald Road, Brentwood.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8219	Oct. 1920	*¶HOLIDAY, WILLIAM GARNET..	Valuation Office, Inland Revenue, Shoot-up Hill, Brondesbury, N.W
8220	Oct. 1920	*¶§HOLLIDAY, JOHN	Estate Office, Greysouthen, Cockermouth, Cumberland.
2458	Nov. 1891	*HOLLIS, HERBERT, A.M.I.C.E. ..	Treneere, Budock, Falmouth, Cornwall.
2459	Nov. 1891	*HOLLIS, RALPH	Springfield, Skirlaugh, Hull.
8524	Oct. 1921	*¶HOLLOWELL, HARRY	c/o Messrs. Crow, 76, South Street, Dorking, Surrey.
4968	Oct. 1906	*HOLMAN, LUTHER MARTIN.. ..	"Brooklyn," Ditchling Road, Brighton, Sussex.
2680	Oct. 1894	*HOLMES, JOHN EDWARD	7, Tiverton Mansions, W.C.1.
8221	Oct. 1920	*¶HOLMES, JOHN STANLEY GARTSIDE	Borough Engineer's Office, Dewsbury, Yorks.
5468	Oct. 1908	*HOLT, EDWARD	Clifden, Southborough Drive, Westcliff-on-Sea, Essex.
8912	Jan. 1922	HOLT, FRANK BRANSBURY ..	Public Works Dept., Pretoria, South Africa.
8913	Jan. 1922	HOLT, WALTER JAMES	26, Old Burlington Street, W.1.
3100	Oct. 1896	*HOMFRAY, HERBERT RICHARDS..	Penllyn Castle, Cowbridge, R.S.O. S. Wales.
9015	Oct. 1922	*¶HONEY, JAMES REGINALD CHARLES	21, Bron-awelan, Barry Garden Suburb, Barry, Glam.
8047	Oct. 1919	*¶HOOK, ALBERT	26, Woods Lane, Stapenhill, Burton-on-Trent.
8525	Oct. 1921	*¶HOOPER, ARNOLD FIELDER ..	Norfolk House, Norfolk Street, W.
7210	Oct. 1913	*HOOPER, ARTHUR HENRY.. ..	15, Sefton Park Road, Ashley Down, Bristol, Gloucestershire.
7212	Oct. 1913	*HOPE, JOHN LEO	c/o Falconer & Baker, Amberley, Gloucestershire.
7213	Oct. 1913	*¶HOPPER, GEORGE	1, Prospect Street, Bridlington.
4193	Oct. 1903	*HORDER, GERALD MORLEY.. ..	40. Catherine Street, Westminster, S.W.
8526	Oct. 1921	*¶HORNE, EDWIN CHANCELLOR	57, Hanworth Road, Hounslow, Middlesex.
9220	Oct. 1923	*¶HORTON, EDWARD WILLIAM ..	27, Cropley Street, New North Road, N.1.
6281	Oct. 1911	*¶HOSEGOOD, FRANK	"Holmsley," Holway, Taunton, Somerset.
5470	Oct. 1908	*¶HOSGOOD, RALPH BRIAN	84, Osbaldeston Road, N.16.
4721	Oct. 1905	*¶HOSKING, HAROLD ARTHUR ..	County Council Depot, Aerodrome, Doncaster, Yorks.
7214	Oct. 1913	*HOSKING, THOMAS STANLEY, A.R.I.B.A.	20, Macaulay Road, S.W.4.
8222	Oct. 1920	*¶HOTSON, ANDREW	P.W.D., Salisbury, S. Rhodesia.

p. o.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
49	Feb. 1912	*¶HOUGHTON, JOHN HENRY.. ..	c/o Messrs. W. Hallett & Co., 451, Edgware Road, W.2.
38	Oct. 1910	*HOULDSWORTH, AUSTIN FRANK	20, Savile Street, Hull.
21	Oct. 1923	*¶HOULT, HERBERT	8, River View, New Ferry, Cheshire.
17	Oct. 1922	*¶HOWARD, ALBERT PERCIVAL ..	Surveyor's Dept., G. N. Railway, King's Cross, N.1.
57	Nov. 1918	*HOWARD, ALGERNON	c/o P. Chase Gardener & Co., 269, High Street, Hounslow, Middlesex.
27	Oct. 1921	*¶HOWARD, EDWARD HUMPHREY	Fronheulog, The Belan, Welshpool, Montgomeryshire.
58	Nov. 1918	*¶HOWARD, SAMUEL	3, Whitehall Street, Rochdale, Lancs.
59	Nov. 1918	*HOWELL, CHARLES GORDON ..	Brooklyn, Mount Nod Road, Streatham S.W.16.
66	Jan. 1883	HOWELL, ERNEST JOHN	88A, Cromwell Road, S.W.
72	Oct. 1908	*¶HOWELL, JOHN DENSION ..	88A, Cromwell Road, S.W.7.
17	Oct. 1913	*HOWIE, JOHN	H.M.O.W., 4 & 5, Drumsheugh Gardens, Edinburgh.
18	Oct. 1913	*HOWKINS, GILBERT	The Elms, Crick, Rugby, Warwickshire.
19	Oct. 1913	*¶HOWLETT, ARTHUR ROYCE ..	High Street, Hurstpierpoint, Sussex.
19	Oct. 1912	*¶HOWSE, EVAN GEORGE	85, Redcliff Street, Bristol.
28	Oct. 1921	*¶HOWSE, FREDERICK THOMAS LANE	The Poplars, Beckley, Sussex.
20	Oct. 1913	*HOYLE, HENRY ARMITAGE.. ..	176, Birkby Hall Road, Birkby, Huddersfield.
29	Oct. 1921	*HUBBARD, FREDERICK FRANK	66, Woodbridge Road, Ipswich.
69	Oct. 1910	*¶HUCKSTEP, JOHN EDWARD ..	Room 2, 184, Deansgate, Manchester.
18	Oct. 1922	*¶HUDSON, ALAN ALBERT	34, Ewelme Road, S.E.23.
21	Oct. 1913	*HUDSON, JAMES ALEXANDER ..	The Cottage, Ashgate, nr. Chesterfield
30	Oct. 1921	*¶HUFFELL, ALFRED CHARLES ..	2, Lloyd's Bank Chambers, Windsor Road, Penarth, Glam.
21	Oct. 1912	*¶HUGHES, BASIL, A.R.I.B.A. ..	4, Raymond Buildings, Gray's Inn, W.C.
88	Nov. 1916	*¶HUGHES, ERNEST	129, West Derby Road, Liverpool, E.
19	Oct. 1922	*¶HUGHES, GEORGE HENRY AUGUSTUS	13, North Street, Ashford, Kent.
48	Oct. 1919	*¶HUGHES, LESLIE	69, Bank Chambers, 329, High Holborn, W.C.1.
31	Oct. 1921	*¶HUGHES, NORMAN	Morva, King's Lane, Rock Ferry, Birkenhead, Cheshire.
22	Oct. 1923	*¶HUGHES, REGINALD GEORGE..	60, Cotswold Road, Westcliff-on-Sea, Essex.
20	Oct. 1922	*¶HUGHES, THOMAS	3, Manor Park Villas, Windmill Lane, Cheshunt, Herts.
75	Oct. 1908	*¶HUGHES, WILLIAM PARRY.. ..	Avondale, Menai Bridge, Anglesey.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6114	Feb. 1911	*¶Hughesdon, Gerald Edward..	2, Abingdon Road, Kensington Hig Street, W.
8049	Oct. 1919	*Humphery, William Overton	Council Offices, Fakenham, Norfolk.
7224	Oct. 1913	*Humphreys, Reginald	Clifden House, Brentford, W. (Midd sex).
7225	Oct. 1913	*¶Humphries, John Buckle ..	8, St. Margaret's Road, Bradfor Yorks.
6722	Oct. 1912	*Hunt, Harry	c/o Hall, Wateridge & Owen, Shrew bury.
8532	Oct. 1921	*Hunt, Maurice Leonard ..	8, Glebe Avenue, Enfield, Middlesex
8533	Oct. 1921	*Hunt, Reginald Wilfrid Richard	54, Westbourne Road, Luton.
9021	Oct. 1922	*¶Hunter, Vivian John ..	98, Buckingham Street, Scunthorp Lincolnshire.
4725	Oct. 1905	*¶§Hurcomb, Harold Francis ..	Baring Road, Beaconsfield, Bucks
8223	Oct. 1920	*¶Hurst, Norman	34, Hill's Avenue, Cambridge.
4971	Oct. 1906	*¶Hutchings, Sir Alan, K.B.E.	31, Half Moon Street, W.1.
9022	Oct. 1922	*¶Hutchinson, William Hamilton	321, Brixton Road, S.W.9.
8224	Oct. 1920	*¶Hutson, Reginald Arthur	Council Offices, Carshalton, Surre
8225	Oct. 1920	*¶Hutton, George Roy	"Woodrow House," Forest, Mel sham, Wilts.
9023	Oct. 1922	*¶Hutton, William Hugh ..	Gill Moss, Croxteth, Liverpool.
6724	Oct. 1912	*¶Hynd, John	23, Westbourne Grove, Withingto Manchester.
4726	Oct. 1905	*¶Ibbotson, William Byrom ..	Bye Wood, Boyle Farm, Tham Ditton, Surrey.
9223	Oct. 1922	*¶Ingham, Charles Russell ..	Estate Office, Dalton Holme, Beverl Yorks.
6726	Oct. 1912	*¶Ingham, George Taylor.. ..	42, Deansgate, Manchester.
6289	Oct. 1911	*Ingham, Walter	c/o Metropolitan Asylums Boar Sheffield House, Sheffield Stree W.C.2.
4972	Oct. 1906	*¶Ingleby, Ernest James, N.D.A.	Hillside, Buckover, Falfield, Gl
7862	Nov. 1918	*Inglis, Robert Cumming ..	37, Lawrence Street, Dowanhill, Glasgow.
8226	Oct. 1920	*Ingman, George Edgar ..	47, Foregate Street, Worcester.
5194	Oct. 1907	*¶Ingram, Edward Cecil	The Cottage, Sturminster Newto Dorset.

¶ Special Rating Diploma.

p. o.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
37	Oct. 1912	*INMAN, WILLIAM CHARLES.. ..	6, New Square, Lincoln's Inn, W.C.2.
93	Nov. 1890	*INNES, GILBERT PLANTAGENET MITCHELL..	Sandrock Hill, Playden, Sussex.
50	Oct. 1919	*IRELAND, ALAN..	3, Clarence Road, Manor Park, E.12. (Essex).
90	Oct. 1911	*¶IRELAND, ERNEST ARTHUR.. ..	6, Grosvenor Gardens, East Sheen, S.W. 14 (Surrey).
24	Oct. 1922	*¶ISAAC, GORDON LESLIE	Chikwawa, Nyasaland, British Central Africa.
27	Oct. 1905	*ISARD, ERNEST	66, Dangan Road, Wanstead, E.11 (Essex).
01	Oct. 1909	*¶ISITT, FREDERICK HARVEY.. ..	18, Rue Chauveau Lagarde, Paris (VIII^{e}), France.
28	Oct. 1906	*¶ISITT, SAMUEL GILBERT, N.D.A. ..	Estate Office, Southill Park, Biggleswade, Beds.
34	Oct. 1921	*¶IVENS, FREDERIC WESTLEY ..	The Poplars, Sutton Park Road. Kidderminster, Worcestershire.
82	Oct. 1894	*JACKSON, ALFRED ERNEST.. ..	Town Hall, Southport, Lancashire.
83	Oct. 1894	*JACKSON, EDWARD HENRY.. ..	Rearsby, Windermere, Westmorland.
27	Oct. 1920	*JACKSON, FRANCIS JOSEPH ..	121, Gresham Road, Staines, Middlesex.
28	Oct. 1912	*JACKSON, JOHN EDWARD	132, King Street, Dukinfield, Manchester
72	Oct. 1910	*¶JACKSON, LAMBERT	36, Broadstone Park, Inverness, N.B.
07	Oct. 1902	*¶JACKSON, RICHARD STEPHENS ..	38, Sidney Road, Beckenham, Kent.
29	Oct. 1912	*¶JACKSON, THOMAS HORNSBY ..	Ashfield, Guiseley Road, Horsforth, Leeds.
35	Oct. 1921	*JACKSON, WILLIAM	101, Queens Road, Wimbledon, S.W.19 (Surrey).
51	Oct. 1919	*¶JACKSON, WILLIAM MARTIN ..	"Normandale," Bradford Road, Wakefield, Yorks.
25	Oct. 1922	*¶JAMES, FRANK COURTENAY ..	2, Pembroke Road, Bournemouth.
02	Oct. 1909	*¶JAMES, FRANK J.	151, Wymering Mansions, Maida Vale.
80	Oct. 1912	*JAMES, HARRY	The Park, Arundel.
73	Oct. 1910	*JAMES, HERBERT CECIL	Municipal Offices, Raine Street, Wapping, E.1.
92	Oct. 1911	*¶JAMES, JOEL JENKINS..	Pantyphillip, Dwrbach, Pembrokeshire.
35	Nov. 1918	*JAMES, JOHN GEOFFREY	c/o Messrs. Ker & Co., Manila, Philippine Islands, West Indies.
33	Oct. 1913	*¶JAMES, WALTER ASHMAN	The Bungalow, Station Road, Nailsea, Bristol (Somerset).

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
5195	Oct. 1907	*James, William George	14, Augustus Road, Wimbledon Par S.W.
7234	Oct. 1913	*¶Jamieson, William Arthur ..	Borough Engineer's Office, Weymout Dorset.
9026	Oct. 1922	*¶Jamieson, William Leask ..	18, St. Mary's Place, Aberdeen.
7235	Oct. 1913	*Jamrach, Henry Charles ..	188, Ewell Road, Surbiton, Surrey.
4732	Oct. 1905	*¶Janes, Walter Joseph	Ashdale, Kempshott Road, Streatha S.W.
2630	Feb. 1894	*Jarrett, Thomas William ..	124, East Street, Sittingbourne, Kent
7236	Oct. 1913	*Jarvis, Louis John Wallace..	6, King's Bench Walk, Inner Templ E.C.4.
4733	Oct. 1905	*Jeckells, William Augustus..	C.E. in Chief's Dept., Archway Bloc S, Admiralty, S.W.1.
6293	Oct. 1911	*Jefferies, Herbert George, A.R.I.B.A.	Mount Pleasant, Cranbrook Roa Barkingside, Essex.
8536	Oct. 1921	*¶Jeffrey, Rufus à Barrow ..	Don Head, near Salisbury.
4732	Oct. 1912	*¶Jenkins, Albert Henry Hopkin	Blackmill, near Bridgend, Glam.
8052	Oct. 1919	*Jenkins, Frederick Leslie ..	Railway Hotel, Washford, near Taunto Somerset.
8228	Oct. 1920	*¶Jenkins, Ralph Emerson ..	3, Morpeth Terrace, S.W.1.
7866	Nov. 1918	*Jenkins, Reginald Arthur Blewitt	4, College Street, Swansea.
4974	Oct. 1906	*¶Jenkinson, Samuel Stewart..	G.E.R. Land Agent's Office, Liverpo Street Station, E.C.
5977	Oct. 1910	*Jennings, Frederick George..	22, Wote Street, Basingstoke, Hants.
8229	Oct. 1920	*¶Jennings, Gordon Sotham	Deputy Surveyor, Council Office Blyth, Northumberland.
5704	Oct. 1909	*¶Jennings, Walter Henry ..	Bemvinda, Queen's Road, Kingston H Surrey.
4734	Oct. 1905	*Jennings, William Alfred ..	7, Romford Road, Stratford, E. (Essex).
9224	Oct. 1923	*¶Johnson, Fitzroy Edward ..	38, Skipton Road, Ilkley, Yorks.
3700	Oct. 1900	*Johnson, Frederick John ..	1, Fairfax Road, Hertford.
5198	Oct. 1907	*¶‡Johnson, Herbert Davies ..	Fairfield Cottage, Great Budworth near Northwich, Cheshire.
5979	Oct. 1910	*¶Johnson, Herbert Thomas ..	21, Elsee Road, Rugby.
8537	Oct. 1921	*Johnson, Percival Leonard	1, Sumburgh Road, Clapham Com nom, S.W.12.
9027	Oct. 1922	*¶Johnson, Raymond Edgar ..	47, Cowley Road, Uxbridge, Middl sex.
8230	Oct. 1920	*¶Johnson, Roland Finnis ..	37, Rotherwick Road, Golders Gree N.W.4 (Middlesex).
8538	Oct. 1921	*¶Johnson, William Spencer..	Milford Leys, Castlethorpe, Buck
4296	Oct. 1911	*Johnston, Robert James.. ..	Survey Dept., Colombo, Ceylon.

‡ Special Forestry Diploma.

.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8	Oct. 1922	*¶JOHNSTONE, PETER	Estate Dept., Calico Printers Association, Ltd., 4, West Regent Street, Glasgow.
8	Oct. 1913	*¶JOLLIFFE, REGINALD	6, Shooter's Hill, Cowes, I. of W.
8	Oct. 1911	JOLLY, WILLIAM JOHN	St. Audrey's, Thetford, Norfolk.
1	Oct. 1920	*¶JONAS, HARRY CARTER	8, Suffolk Street, S.W.1.
3	Oct. 1900	*¶JONES, ARTHUR BAYLY	50, Threadneedle Street, E.C.
5	Oct. 1909	*JONES, ARTHUR DEW	City Engineer's Office, Town Hall, Manchester.
7	Nov. 1918	*JONES, ARTHUR RYLAND ..	62, Home Park Road, Wimbledon Park, S.W.19 (Surrey).
9	Oct. 1921	*JONES, BENJAMIN THOMAS ..	Ael-y-Bryn, Vivian Street, Tylorstown, Glam.
8	Oct. 1908	*¶JONES, CHARLES THOMAS	124, St. Albans Avenue, Bedford Park, Chiswick, W. (Middlesex).
0	Oct. 1921	*¶JONES, ELLIS	48, Scarcroft Road, York.
0	Oct. 1913	*¶JONES, ERNEST HYWEL	65, Newsham Drive, Liverpool.
1	Oct. 1913	*¶JONES, EVAN ROBERT PULESTON	3, Greenfields, Welshpool, Montgomeryshire.
9	Oct. 1922	*¶§JONES, FRANCIS ELMORE ..	Fernside, Woodside Park Road, N. Finchley, N.12 (Middlesex).
7	Oct. 1911	*¶JONES, GEORGE	12, High Street North, Dunstable, Beds.
2	Oct. 1918	*¶JONES, GERALD FRANCIS, O.B.E.	69, Bank Chambers, 329, High Holborn, W.C.1.
0	Oct. 1922	*¶JONES, HAROLD NEWTON ..	34, Grove Road, Balham, S.W.
2	Oct. 1920	*¶JONES, HORACE EDWARD ..	7, Chatsworth Road, Croydon, Surrey.
3	Oct. 1920	*¶§JONES, JOHN THOMAS	Bryn Rhigos, near Aberdare. Glam.
5	Oct. 1923	*¶JONES, LEWIS	22, Edward Terrace, Cardiff.
2	Oct. 1921	*¶JONES, MERVYN CAMPBELL ..	Threshers Dean, Headley, Epsom, Surrey.
3	Oct. 1913	*JONES, OSCAR WYNNE	Minydon, Pwllheli, N. Wales.
3	Oct. 1921	*¶JONES, OWEN CAMPBELL ..	Skinners' Hall, 9, Dowgate Hill, E.C.
4	Oct. 1921	*JONES, PERCY BEAUMONT ..	86, Station Road, King's Norton, Warwickshire.
4	Jan. 1922	¶JONES, REGINALD	1, Windy Nook, Garstang Road, Fulwood, Preston.
8	Oct. 1911	*¶JONES, RICHARD LEWIS	Penwenallt, Newcastle Emlyn, Carmarthenshire.
5	Oct. 1912	*¶JONES, ROBERT JOHN	Bronllys, Trefor Road, Aberystwyth.
6	Oct. 1912	*¶JONES, ROLAND THOMAS	Bryn Myfyr, College Road, Bangor, N. Wales.
8	Feb. 1913	*¶JONES, RONALD KELSEY	166, Oakwood Court, Kensington, W.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7603	Oct. 1915	*¶JONES, STANLEY WARREN.. ..	5, Queen's Avenue, Porthca Glam.
5201	Oct. 1907	*JONES, WALTER GEORGE	3, Merton Road, Walthamstow, E (Essex).
8234	Oct. 1920	*¶JONES, WILFRED ESMOND ..	31A, Compton Terrace, Highbur N.1 (Middlesex).
8545	Oct. 1921	*¶JOSELAND, ARTHUR RICHARD NORMAN	Baveno, Atlantic Road South, W ton-super-Mare.
7245	Oct. 1913	*JOWETT, HENRY SAVILE	Valuation Department, Inland Reven Huddersfield.
8546	Oct. 1921	*¶JOY, GILBERT ALAN	Ivy House, High Street, Rayleig Essex.
2461	Nov. 1891	*JOYCE, HARRY WARD, B.SC. ..	Alton Grange, Ashby-de-la-Zouc Leicestershire.
6737	Oct. 1912	*JOYCE, HORACE FRANCIS	26, Buckingham Gate, S.W.1.
6738	Oct. 1912	*¶KAY, GEORGE	District Valuer's Office, 28, High W Street, Dorchester
8053	Oct. 1919	*¶KEASLEY, WILLIAM ERIC	"Homeleigh," Robin Hood La Sutton, Surrey.
4016	Oct. 1902	*¶KEELE, JOHN DANIEL..	Glencairn, Fairview Road, Sutt Surrey.
6739	Oct. 1912	*¶KEEN, ARNOLD GREY	London & North Eastern Railw Co., Great Eastern Section, Est Dept., Liverpool Street Stati E.C.2.
7246	Oct. 1913	*KEEN, ARTHUR AUGER	153, Hamlet Gardens, Ravensco Park, W.
3854	Oct. 1901	*KEIGHLEY, SAMUEL	60, Albion Street, Burnley, Lancash
6969	Feb. 1913	*KEIGHLEY, SAMUEL, JUN.	70, Albion Street, Burnley, Lancash
6301	Oct. 1911	*¶KEKEWICH, STANLEY BUCK ..	15, St. Mary's Bootham, York.
3855	Oct. 1901	*KELLEWAY, HERBERT DAVIES ..	20, Hanover Square, W.1.
3705	Oct. 1900	*¶KELLY, ARTHUR RALPH	108, Finchley Road, N.W.
3554	Oct. 1899	*KELLY, GEORGE WILLIAM CALVER	29, Monnow Street, Monmouth.
5203	Oct. 1907	*KEMP, HARRY GRAEME	Aldringham, Saxmundham, Suffolk.
3706	Oct. 1900	*KEMSLEY, NORMAN BOLTON ..	Broad Street House, New Broad Str E.C.
5707	Oct. 1909	*KENNARD, ALFRED JAMES.. ..	33-35, High Street, Croydon.
7869	Nov. 1918	*¶KENNARD, CECIL..	Oaklea, Lawrie Park Avenue, Syd ham, S.E.26.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1909	*KENNARD, FREDERICK HARRISON	Norfolk House, Norfolk Street, W.C.2.
Oct. 1923	*¶KENNEY, CYRIL ERNEST ..	157, Burrell Road, Ipswich.
Oct. 1903	*KENT, PHILIP, JUN.	1, Station Road, Alresford, Hants.
Oct. 1913	*¶KENT, STANLEY HENRY GLADSTONE	19, Croxted Road, Dulwich, S.E.21.
Oct. 1912	*¶KENYON, HAROLD DUMELLO ..	7, De Grey Street, York.
Oct. 1903	*§KER, ARTHUR PRESTON	County Land Agent, 17, Claremont Place, Newcastle-upon-Tyne.
Jan. 1884	KERR, ARTHUR HERBERT	Lyndhurst, Malton, Yorks.
Oct. 1923	*¶KERR, JOHN SANDERSON ..	2, Tay Terrace, Broughty Ferry, Dundee.
Oct. 1921	*¶KEY, THOMAS GARBUTT ..	Brae Banks, Upminster Hill, Upminster, Essex.
Oct. 1920	*¶KEY, WILLIAM DONALD, A.R.I.B.A.	Cardington, Mayfair Gardens, Upminster, Essex.
Oct. 1897	*¶KIBBLEWHITE, HENRY JAMES TRELEAVEN	Architect's Department, New County Hall, S.E.1.
Oct. 1907	*¶KIFT, GEORGE ANSLEY	Abbey House, Selby, Yorks.
Oct. 1909	*¶KILFORD, WILLIAM GEORGE ..	Hunts County Council, 68, High Street, Huntingdon.
Oct. 1913	*¶KILLENDER, HENRY CLAUDE, A.R.I.B.A.	Jubilee Buildings, 16, Lord Street, Liverpool.
Oct. 1906	*KINDELL, FRANCIS PERCY.. ..	Council Offices, The Priory, Friern Barnet, N.11 (Herts).
Oct. 1919	*¶KING, DUDLEY BERTRAM.. ..	42, Earlsfield Road, Wandsworth, S.W.18.
Oct. 1922	*¶KING, ERIC FRANK HULME, B.A. (*Cantab.*)	Park Farm, Horsham, Sussex.
Oct. 1901	*KING, FREDERICK AUGUSTUS ..	32, Isledon Road, Finsbury Park, N.
Oct. 1910	*¶KING, GILBERT RIGLEY	Town Hall, Twickenham, Middlesex.
Oct. 1910	*¶KING, HERBERT JAMES	Station Road, Winchmore Hill, N.21 (Middlesex).
Oct. 1913	*KING, HERBERT WALTER	11, Carleton Road, Tufnell Park, N.7.
Oct. 1906	*KING, JOHN LEONARD..	c/o Dr. H. D. King, Sudbury, Suffolk.
Oct. 1913	*§KING, NOEL WARD	53, Talgarth Road, West Kensington, W.
Mar. 1887	*KING, WILLIAM ISAAC..	6, Holborn Viaduct, E.C.1.
Oct. 1910	*KINGSTON, ARCHIBALD LAWRENCE	County Hall, Truro, Cornwall.
Oct. 1906	*KINTON, HAROLD ERNEST.. ..	Stoneleigh, Sheen Lane, East Sheen, S.W. (Surrey).
Oct. 1912	*¶KIRBY, CARL FREDERICK GEORGE	c/o Messrs. Michael Faraday & Co., 77, Chancery Lane, W.C.
Oct. 1913	*¶KIRBY, WILLIAM AUBREY.. ..	c/o Messrs. Berry Bros. & Bagshaw, Market Place, Kettering.
Oct. 1921	*¶KIRKWOOD, JAMES STUART ..	4, Stanford Road, Norbury, S.W.16. (Surrey).

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8549	Oct. 1921	*¶KITCHING, HUBERT VAUX ..	Hanmer, Whitchurch, Salop.
5712	Oct. 1909	*¶KNAPMAN, HARRY LETHBRIDGE	2, West Place, Albany Road, F mouth, Cornwall.
9032	Oct. 1922	*¶KNAPP, DOUGLAS ERIC JOHN ..	26, Green Park, Bath.
8236	Oct. 1920	*¶KNAPP, ROBERT ELI	Whittington, Oswestry, Salop.
6740	Oct. 1912	*KNEWSTUBB, ALFRED..	Long Marton, Carlisle.
5984	Oct. 1910	*KNIGHT, CHARLES WILLIAM, .. CAPT., R.E.	Superintending Engineer's Office B.B. & C.I. Railway, Bomb India.
9228	Oct. 1923	*¶KNIGHT, DOUGLAS ROY	Cherry Lodge, Stodmarsh, Cant bury.
5486	Oct. 1908	*KNIGHT, ROBERT MALTMAN ..	66, Wickham Road, Brockley, S.E.
9033	Oct. 1922	*¶KNOWLES, CLIFFORD CYRIL ..	309, Trinity Road, Wandsworth Co mon, S.W.18.
6741	Oct. 1912	*KNOWLES, THOMAS EDWARD BUTLER	Valuation Office, Howard Place Hanley, Staffs.
8550	Oct. 1921	*¶KUPHAL, FRANCIS WILLIAM	15, Russell Road, Hall Green, I mingham.
4984	Oct. 1906	*LADD, WALTER WILLOUGHBY ..	Valuation Dept., Old County H S.W.1.
4985	Oct. 1906	*LAIRD, JOHN..	High Street, Marlow, Bucks.
7254	Oct. 1913	*LAIRD, WALTER ROSS..	146, Bingham Road, Addiscon Surrey.
6304	Oct. 1911	*LAMB, CHARLES ALFRED	189, The Grove, Hammersmith, W.
8551	Oct. 1921	*¶LAMBERTH, FRANK	29, Ivy Road, Cricklewood, N.W (Middlesex).
4458	Oct. 1904	*LAMBLE, WILLIAM HERBERT ..	1, Broad Street Buildings, Liver Street, E.C.2.
2973	Oct. 1895	*¶LAMPRILL, WILLIAM THOMAS ..	15, Carey Mansions, Vincent Squ S.W.1.
8237	Oct. 1920	*¶LANE, ALFRED	34, High Street, High Wycon
8552	Oct. 1921	*¶LANE, EDMUND ARTHUR ..	17, Arlington Road, Surbiton, Sur
6970	Feb. 1913	*¶LANE, FRANK DONOVAN	2, Church Street, Christchurch, Ha
5986	Oct. 1910	*¶LANE, FREDERICK CHARLES ..	16, Daylesford Avenue, Putne S.W.15.
8238	Oct. 1920	*¶LANE, NATHANIEL MONTAGUE	The Firs, Sutton-in-Ashfield, N
5715	Oct. 1909	*¶LANGFORD, DOUGLAS CHARLES	Gwithian, Broad Lane, Brack Berks.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1912	*Langlands, Charles John Lawrence	Hazon House, Epsom, Surrey.
Oct. 1921	*¶Langlands, James Hendry..	31, Murraygate, Dundee.
Mar. 1891	*Larkin, Richard Webster ..	8 and 9, Great Newport Street, St. Martin's Lane, W.C.
Oct. 1921	*¶Larrett, Stanley Arthur ..	Assistant Engineer, Lagos Town Council, Nigeria, W. Africa.
Oct. 1921	*¶Lawes, Edgar	136, Annandale Road, Greenwich, S.E.10.
Oct. 1921	*¶Laweson, Ray Carlon ..	32, Putney Park Lane, Putney, S.W.15.
Nov. 1918	*¶§Lawrance, David Malcolm..	55, Parkhurst Road, Holloway, N.7.
Oct. 1911	*Lawrence, Charles William Johnson	The Elms, Rushington, Sleaford, Lincs.
Oct. 1911	*Lawton, Robert Allison.. ..	37, Rectory Road, nr. Crumpsall, Manchester.
Oct. 1920	*¶Lawton, William	227, Buxton Road, Macclesfield, Cheshire.
Oct. 1923	*¶Lea, Percy Lister Zair ..	19, Cannon Street, Birmingham.
Oct. 1921	*¶Leach, Stanley Hugh	8, Thorold Road, Ilford, Essex.
Oct. 1921	*¶Leach, William Austin ..	182, Brownhill Road, Catford, S.E.6.
Oct. 1906	*¶Leah, William	Midland Bank Chambers, The Cross, Gloucester.
Oct. 1913	*Ledgard, John Brooke	The Manor House, Thorner, Leeds.
Feb. 1909	*Lee, Alfred Frederick	35, Crendon Street, High Wycombe, Bucks.
Oct. 1920	*¶Lee, Frank	c/o Borough Engineer's Office, Halifax.
Oct. 1908	*¶Lee, Leslie Herbert	22, High Street, Ashford, Kent.
Oct. 1923	*¶Leeder, John Geoffrey Viner	46, Waterloo Street, Swansea.
Oct. 1922	*¶Lees, Eric Christopher Lingham	18, Jury Street, Warwick.
Oct. 1921	*Lees, George	25, Radcliffe Street, Oldham, Lancs.
Oct. 1902	*Lees, Randle Burslam	Woodside, Bradford-on-Avon, Wiltshire.
Oct. 1921	*¶Lefeaux, Raymond Langham	c/o Gotch and Saunders, Bank Chambers, Kettering.
Oct. 1912	*¶Legg, Kenneth Bolton	Estate Office, L.B. and S.C. Railway, London Bridge, S.E.
Oct. 1912	*¶Le Grand, Cecil Wren, Capt.	Glenmore, Park Road, New Beckenham, Kent.
Feb. 1901	*Leigh, Vincent Stanley.. ..	Palmeira House, Palmeira Gardens, Westcliff-on-Sea.
Oct. 1913	*¶Leonard, Eugene	14, Brighton Road, Rathgar, Dublin.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6187	Oct. 1911	*¶LESLIE-CARTER, WILLIAM CASS	128, Goswell Road, E.C.1.
8561	Oct. 1921	*¶§‡LE SUEUR, ARTHUR DENIS CARRINGTON	22 St. George's Square, S.W.1.
1971	Jan. 1891	*LEWIS, ARTHUR LLEWELYN ..	77, Station Road, Sidcup, and 19-2 Walbrook, E.C.
9231	Oct. 1923	*¶LEWIS, CHRISTOPHER ARTHUR GWYNNE	Tivycoed Farm, Glanamman, Ca marthenshire.
6747	Oct. 1912	*LEWIS, HUGH FRANCIS	Assistant Land Surveyor, Coun Offices, Shanghai Municipal Coun Shanghai, China.
8055	Oct. 1919	*¶LEWIS, ORPHEUS WILLIAM HENRY, CAPT., M.B.E. ..	47, George Street, Plymouth.
8242	Oct. 1920	*¶LEWIS, SIDNEY FORD	Building Inspectors Dept., Tov Hall, Dyne Road, Kilburn, N.W (Middlesex).
9035	Oct. 1922	*¶LEYSHON, HECTOR MACQUARIE	Highbury, Neath, Glam.
7263	Oct. 1913	*LICKELY, ALEXANDER	12, Perth Road, Dundee.
3562	Oct. 1899	*¶LICKIS, LEONARD..	7, Eardley Road, Streatham, S.W.
1991	Oct. 1910	*LIDDELL, JOHN GEORGE WALTON	Chesters Estate Office, Humshaug Northumberland.
8243	Oct. 1920	*¶LIELL, KINGSLEY	c/o Messrs. Mark Liell & Son, 10 Fenchurch Street, E.C.3.
6309	Oct. 1911	*LILBURN, HARRY KENT	Dunedin, Antrim Road, Belfast.
8244	Oct. 1920	*¶LILL, ARTHUR	49, High Street, Hoddesdon, Hert
8562	Oct. 1921	*¶LILLEY, JOHN LESLIE	453A, London Road, Westcliff-on-S Essex.
4460	Oct. 1904	*¶LINE, HENRY WILLIAM	30, Orchard Road, St. Margaret East Twickenham.
6311	Oct. 1911	*¶LING, RICHARD BERTRAM, A.R.I.B.A.	13, Hillcrest Road, Sydenham, S.E.
8245	Oct. 1920	*¶LISSAMAN, ARTHUR EVELYN ..	c/o Land Agency Office, P.W.I Albert Road, Hong Kong.
5484	Oct. 1908	*LISTER, ERNEST EDWARD.. ..	29, Bennett Road, Chadwell Hea Essex.
3711	Oct. 1900	*LIVING, CHARLES, JUN.	75, The Grove, Stratford, E. (Esse
9232	Oct. 1923	*¶LIVING, EDWIN	10, Church Lane, Leytonstone, E. (Essex).
8056	Oct. 1919	*LIVINGSTON, WILLIAM	District Engineer, Toco, Trinid B.W.I.
7265	Oct. 1913	*LLOYD, CYRIL HERBERT POWELL	45, Merthyrmawr Road, Bridgen Glamorganshire.
6312	Oct. 1911	*¶LLOYD, FRANK HUMPHREYS ..	Mansion House, 24, Severn Stre Welshpool.
9036	Oct. 1922	*¶LLOYD, HUGH BERNARD.. ..	74A, Aslett Street, Wandsworth, S.
5211	Oct. 1907	*¶LLOYD, SYDNEY HAMILTON, A.M.I.C.E.	72, Burnside Road, Chadwell Hea Essex.

‡ Special Forestry Diploma.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Feb. 1913	*¶LOCHHEAD, ARTHUR SYDNEY ..	31, Crystal Palace Park Road, Sydenham, S.E.
Oct. 1909	*¶LOCK, CHARLES	26, Hill Road, Chelmsford.
Nov. 1918	*¶LOCKWOOD, GEOFFREY OWEN, MAJOR, M.C.	County Surveyor, The Courts, Carlisle.
Oct. 1921	*¶LODGE, ARTHUR FRANK ..	93, Fairbridge Road, Upper Holloway, N.19.
Oct. 1908	*¶LOE, SYDNEY JOHN	The Cottage, Beaconsfield Road, Buckley, Kent.
Oct. 1919	*LOGAN, MICHAEL LOAM	47, Ennerdale Road, Richmond.
Oct. 1913	*LOGSDON, HORACE STEWART ..	49 and 50, Parliament Street, S.W.1.
Oct. 1912	*LONE, R. WILCOX, A.R.I.B.A.	63, Lincoln's Inn Fields, W.C.2.
Oct. 1911	*LONG, ALFRED CHARLES.. ..	Town Hall, Camberwell, S.E.
Oct. 1913	*LONGBOTTOM, HAROLD	Council Offices, Petersfield, Hants.
Oct. 1920	*¶LONGLEY, ARTHUR DOUGLAS	Fairview, Lyminge, nr. Folkestone.
Oct. 1905	*LORAM, JOHN ANNING ..	Government Ordnance Survey Office, Colombo, Ceylon.
Oct. 1908	*LORIMER, GORDON	Via-y-Obras, Ferro Carril del Sud, Buenos Aires, S. America.
Oct. 1920	*¶LOUDOUN, ERIC GILMOUR ..	35, Camphill Avenue, Langside, Glasgow.
Oct. 1901	*LOVE, JAMES BARR	Knowes, Lochwinnoch, Renfrewshire.
Oct. 1920	*¶§LOVELL, GEORGE RAYMOND	68, Albert Street, Regent's Park, N.W.1.
Oct. 1921	*¶LOVELL, SYDNEY VALENTINE SILLENCE	4 & 5, Charles Street, St. James Square, S.W.1.
Oct. 1907	*¶LOVELUCK, EDWARD	33, Park Street, Bridgend, Glamorganshire.
Nov. 1918	*LOWDEN, DAVID, JUN.	Rangemore, Burton-on-Trent.
Oct. 1921	*¶LOWE, GEORGE HURST ARMERIN	Glebelands, Claygate, Surrey.
Nov. 1918	*¶LOWE, JOHN	66, Swinley Road, Wigan, Lancs.
Oct. 1921	*¶LOWE, ROBERT EDWARD NICHOLLS	Oficina Vias-y-obras F.C.S., Calle, 322, Guanahani, Buenos Aires.
Oct. 1910	*LOWICK, HENRY CAPELL	Public Works Department, Hong Kong.
May 1877	LUCAS, JOSEPH	22, East Ascent, St. Leonards-on-Sea.
Jan. 1896	*LUCK, GEORGE EDWARD	Estate Office, Crouch End Station, N. (Middlesex).
Oct. 1913	*LUKEY, GEORGE EDWARD	Okotoks, Hook Hill, Sanderstead, Surrey.
Oct. 1898	*LUMLEY, FREDERICK ROBERT ..	Mamhead Park, Exeter.
Oct. 1902	*LUNN, ALGERNON PERCY	Wentbridge, Pontefract, Yorkshire.
Oct. 1911	*LUTON, ALBERT GORDON	14, Forest Lane, Stratford, E.15 (Essex).
Oct. 1922	*¶LYNAM, CHARLES ROY	264, Wilford Road, Leicester.
Oct. 1905	*LYNE, HARRY	Miramar, Tregolls Road, Truro, Cornwall.

§ Special Rating Diploma.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6754	Oct. 1912	*¶McBain, John	463, Clarkston Road, Cathcart, Gla gow.
9233	Oct. 1923	*¶McCabe, Arthur Willliam ..	c/o Messrs. Knight, Frank an Rutley, 20, Hanover Square, W.
5720	Oct. 1909	*¶McCallum, Daniel	92, Mosspark Oval, Glasgow.
9038	Oct. 1922	*¶McCallum, Graydon Archibald	c/o Ouse Drainage Board, Statio Road, Cambridge.
1144	Apr. 1884	McCallum, Peter Service ..	Holy Bush House, Osmaston Roa Derby.
6317	Oct. 1911	*McCann, Felix Charles.. ..	2, Howard Street, Belfast.
9039	Oct. 1922	*¶McDonald, Donald	86, Temple Park Crescent, Edi burgh.
5499	Oct. 1908	*Mace, Charles Marriner ..	106, Ellerton Road, Tolworth, Surbit Surrey.
2593	Oct. 1893	*Macer, Alfred Thomas	1, Windsor Road, East Worthin Sussex.
7274	Oct. 1913	*¶Macfarlane, Andrew	Works Branch, Imperial War Grav Commission, Esplanade, Ypre Belgium.
7880	Nov. 1918	*McFie, Bernard John Stewart	7, Southwood Road, Oxford.
1563	Oct. 1901	*McGaw, Andrew Kidd	Van Diemen's Land Company, Burn Tasmania.
7275	Oct. 1913	*¶MacGregor, Peter Grant ..	149, Ashdale Drive, Mosspark, Gla gow.
9040	Oct. 1922	*¶§MacGregor. Robert Murray	8, Gadie Street, Kennyhill, Glasgo
5721	Oct. 1909	*Machattie, John Macintosh..	Architect's Dept., L.C.C., New Cou Hall, S.E.1.
9041	Oct. 1922	*¶Macilwraith, Tom Dixon ..	c/o Auld, 5, Manse Street, Renfre Scotland.
9234	Oct. 1923	*¶McIntosh, Charles	40, Cochrane Street, Glasgow.
7277	Oct. 1913	*Mackay, William	75, Oak Road, Crumpsall, Manchest
3312	Feb. 1898	*Mackenzie, Hector John Maxwell	12. De Vere Gardens, Kensingto W.8.
8567	Oct. 1921	*¶Mackenzie, William Falconer	c/o Miss Lock, High Street, Dunst Somerset.
8249	Oct. 1920	¶Mackereth, William Moore	The Garth, Pennybridge, nea Ulverston, Lancs.
4468	Oct. 1904	*¶McKerrow, James Weir, A.M.I.C.E.	Corporation Waterworks, Town Ha North Shields, Northumberland.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1908	*¶MACKINNON, ALEXANDER DENT OSWALD	
Oct. 1900	*MACKINTOSH, WILLIAM SMITH ..	Baileymawr, Penybont, Radnorshire.
Oct. 1920	*¶MACKMIN, HENRY AUGUSTUS	"Glenlynn," Beulah Road East, Thornton Heath (Surrey).
Oct. 1911	*MCLAREN, HENRY	Ury Estates Office, Stonehaven, N.B.
Oct. 1911	*¶MACLAY, CHARLES	267, Crow Road, Partick, Glasgow.
Oct. 1920	*¶MCLEARON, SEPTIMUS OSWIN	352, Foxhall Road, Ipswich.
Oct. 1920	*¶MACMAHON, JOHN FRANCIS ..	98, Fentham Road, Birchfield, Birmingham.
Oct. 1921	*¶MCMAHON, WILLIAM PATRICK	Clyde House, Richmond, Yorks.
Oct. 1922	*¶MACNAMARA, CORMAC	7, Dartmouth Grove, Blackheath, S.E.10.
Nov. 1918	*MCNICOL, JOHN, A.R.I.B.A. ..	First Asst.-Surveyor, Manchester and District Joint Town Planning Advisory Committee, Town Hall, Manchester.
Oct. 1912	*¶MACRAE, CHARLES	3, Station Road, Ormskirk, Lancs.
Oct. 1923	*¶MCVEY, WILLIAM JAMES... ...	Upper Oak Street, Windermere.
Oct. 1920	*¶MCWILLIAM, ALEXANDER ..	"Viewhill," Dovecot Road, Corstorphine, Midlothian.
Oct. 1907	*MCWILLIAM, JOHN ALEXANDER	115, Hanover Street, Edinburgh, and 33, Kirkhill Road, Edinburgh.
Oct. 1920	*¶MADGE, REGINALD JOHN ..	Zjednoczona, Korporacja Baltycka, Marszalkowska, 116, Warsaw, Poland.
Feb. 1900	*¶MAGER, SYDNEY, C.B.E (*Professional Associate of Council*)..	10, Whitehall Place, S.W.1.
Oct. 1919	*MAHONY, JAMES BURKE	Gayton House, Heigham Grove, Norwich.
Oct. 1900	*¶MAIDES, PERCY THOMAS	Ockenden, Shirley Park, Croydon.
Oct. 1912	*MAILE, SYDNEY HERBERT.. ..	34, Heath Hurst Road, Hampstead, N.W.
Oct. 1909	*¶MAIR, WILLIAM FRASER	65, Norwood Road, Stretford, Manchester.
Oct. 1922	*¶MAJOR, SYDNEY FRANCIS ..	33, Cleeve Road, Knowle, Bristol.
Oct. 1920	*¶MALCOLM-ELLIS, KENNETH ..	12, Hertford Road, Worthing.
Oct. 1915	*¶MALLETT, ROY TERENCE	27, Nightingale Place, Woolwich, S.E.
Oct. 1896	*MALLINSON, CHARLES HERBERT	Market Place, Huddersfield, Yorkshire.
Oct. 1911	*¶MAMMATT, GERALD ARTHUR ..	c/o Messrs. Habgood & Innocent, Witney, Oxon.
Nov. 1918	*MANFIELD, JOHN HENRY.. ..	12, Fairfield Road, Crouch End, N.8. (Middlesex).

Dip. No	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6761	Oct. 1912	*MANGAN, WILFRED CLARENCE	18, Guildhall Street, Preston, Lancs
4753	Oct. 1905	*MANN, ALFRED HENRY	C.E. in Chief's Dept., Admiral S.W.1.
9236	Oct. 1923	*¶MANN, ALFRED LEONARD ...	36, Oldfield Road, Stoke Newingto N.16.
8569	Oct. 1921	*¶MANN, DUDLEY SEPTIMUS ..	Roads Office, Codford, Wilts.
9044	Oct. 1922	*¶MANN, GORDON WIGHT	43A, Longridge Road, Earls Cou S.W.5 (Middlesex).
6704	Oct. 1912	*¶MANN, HENRY	68, Bridge Road, East Molesey Surrey.
8256	Oct. 1920	*¶MANN, PERCY	Dalmeny, Lauradale Road, For Green, N. (Middlesex).
8570	Oct. 1921	*¶MAPLESDEN, JAMES WILLIAM..	5, Middle Row, East Grinstea Sussex.
3401	Oct. 1898	*MARCUS, WILLIAM MORTIMER ..	29, New Bridge Street, E.C.4.
8258	Oct. 1920	*¶MARFELL, JAMES HENRY ..	Norwood House, Usk, Mon.
7280	Oct. 1913	*¶MARKS, JOHN BARKLY	The Rhedan, Farnham, Surrey.
4027	Oct. 1902	*¶MARKS, THOMAS EDWARD . ..	30, Wimborne Gardens, Ealing W.13.
7606	Oct. 1915	*¶MARNS, ALBERT HENRY	c/o Thurgood, Martin & Eve, Chancery Lane, W.C.2.
8915	Jan. 1922	MARRIOTT, ROBERT ANDREW ..	12, Norton Road, Uxbridge.
6765	Oct. 1912	*MARRIOTT, WILLIAM MASON ..	The Manor School, Fermoy, Co. Co
6766	Oct. 1912	*MARSDEN, HORACE JOHN	10, Whinyates Road, Eltham, S.E
6767	Oct. 1912	*MARSH, ERNEST GEORGE	130, Fulham Road, S.W.3.
4038	Oct. 1902	*MARSHALL, GEORGE ERNEST ..	76, Airedale Road, Wadsley, Sheffie
8572	Oct. 1921	*¶MARSHALL, THOMAS ALFRED..	45, Sutton Court, Chiswick, W (Middlesex).
5898	Oct. 1910	*MARSHALL, TOM OWEN	Estate Office, Midland Railway, Der
6978	Feb. 1913	*MARSHALL, WALTER KINSMAN	Radbourne Estate Office, near Der
5724	Oct. 1909	*MARSHALL, WILLIAM THOMAS, M.A. (*Oxon.*)	Thorn Tree, Matlock.
8573	Oct. 1921	*¶MARSLAND, TOM	Randal Carr, Elnor Avenue, Wha Bridge, near Stockport.
8259	Oct. 1920	*¶MARSTON, HORACE ARTHUR ..	Surveyor's Dept., Walden & Con U.D.C., New Malden, Surrey.
3110	Oct. 1896	*¶MARTIN, ALEXANDER WILLIAM..	The Laurels, Marden Road, So Tottenham, N. (Middlesex).
8260	Oct. 1920	*¶MARTIN, ALFRED GUY TRICE ..	County Hall, March, Cambs.
7887	Nov. 1918	*¶MARTIN, DAVID BURN	38, Glasgow Road, Perth, N.B.
9045	Oct. 1922	*¶MARTIN, IRENE TUBERVILLE (MISS)	23, Chislehurst Avenue, N.12 (Middlesex).
9046	Oct. 1922	*¶MARTIN, THOMAS COLIN	141, High Street, Teddington, Middlesex.

).).	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
3	Oct. 1913	*¶MARTIN, WALTER RIDDELL ..	Roebuck Grove, Clonshea, Dublin.
7	Oct. 1922	*¶§MATHEWS, FREDERICK TERRY DOUGLAS	c/o J. Carter Jonas & Sons, 8, Suffolk Street, Pall Mall East, S.W.1.
8	Oct. 1922	*¶MATHEWS, OLIVER LEWIS ..	12, Waterloo Street, Birmingham.
4	Oct. 1913	*MATTICK, HERBERT	Asst. Engineer, Baghdad Division P.W.D., Executive Engineers' Office, Baghdad, Mesopotamia.
3	Nov. 1892	*‡MAUGHAN, JOHN (*Professional Associate of Council*)	Estate Office, Jervaulx Abbey, Middleham, S.O., Yorks.
0	Oct. 1902	*¶‡§MAW, PERCIVAL TRENTHAM ..	Stricklands, Robertsbridge, nr. Tunbridge Wells.
2	Oct. 1911	*¶MAXWELL, HERBERT WILLIAM ..	2 Lewisham Road, Highgate Road, N.W.5.
7	Oct. 1909	*¶MAY, CYRIL ERNEST, CAPT. ..	Coombs, Thornborough, Buckingham.
5	Oct. 1913	*¶MAY, FRANK SIDNEY EDWARD ..	39, Christchurch Road, Streatham Hill, S.W.
1	Oct. 1920	*MAYHEW, HARRY BENJAMIN	5, Margetts Road, Newtown, Kempston, Beds.
3	Oct. 1913	*MAYHEW, JAMES	69, Carlton Hill, N.W.8.
3	Oct. 1911	*MAYHEW, WILLIAM JOSEPH GEORGE	197, Kingston Road, Ilford, Essex.
2	Oct. 1912	*MAYNARD, CHARLES EDWARD ..	Council Offices, Southborough, Kent.
8	Nov. 1918	*¶MAYNARD, JOHN EDWARD ..	1, Collington Avenue, Bexhill-on-Sea, Sussex.
3	Oct. 1910	*§MAYNE, ARTHUR JOHN	Wayside, Preston Grove, Yeovil, Somerset.
3	Oct. 1910	*MEARS, JOHN ARTHUR..	40, Fairfield South, Kingston-on-Thames.
9	Oct. 1922	*¶MEDLOCK, SYDNEY GORDON ..	4, Credenhill Street, Streatham, S.W.16.
7	Oct. 1893	*MELLOR, JAMES FREDERICK ..	110, St. James's Street, Brighton.
3	Oct. 1904	*MELLOR, JOHN FRANCIS SHAW..	The Cottage, Brodsworth, Doncaster, Yorks.
6	Oct. 1908	*¶MELLOWS, FREDERICK WILLIAM	392, Park View, Whitley Bay, Northumberland.
5	Oct. 1911	*MELVILLE, HENRY DUNCAN ..	Marlborough Cottage, Kelso, Roxburgh, N.B.
7	Oct. 1913	*MENNIE, FREDERICK EDWARD A.R.I.B.A.	XI, New Court, Lincoln's Inn, W.C.2.
4	Oct. 1921	*¶MENZIES, JAMES WILSON GOURLAY	111, Peveril Avenue, Waverley Park, Glasgow.
0	Nov. 1918	*¶MENZIES, RONALD VICTOR ..	53, High Street, Egham.
2	Oct. 1899	*MEREDITH, PERCY WILLIAM ..	34, Old Queen Street, Westminster, S.W.1.
2	Oct. 1920	*¶MERRETT, ARTHUR SAYWELL	25, Great James Street, Bedford Row, W.C.1.

‡ Special Forestry Diploma.

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6327	Oct. 1911	*¶Merrington, Frederick Arthur	22, Clifton Gardens, Golder's Gree N.W.4 (Middlesex).
9050	Oct. 1922	*¶Merry, Arthur John	80, High Street, Bedford.
8059	Oct. 1919	*Meysey-Thompson, Algar de C. C.	5, Lower Grosvenor Place, S.W.
9237	Oct. 1923	*¶Michael, William	6, New Council Houses, Llangeinc near Bridgend, Glam.
7891	Nov. 1918	*¶Middleton, Alan Edwin, Capt.	47, The Parade, Leamington Spa.
8575	Oct. 1921	*¶Middleton, Cecil Bernard..	St. Mary's, Woldingham, Surrey.
7892	Nov. 1918	*¶Middleton, Humfrey	28, St. Margaret's Street, Canterbur
7893	Nov. 1918	*Middleton, John Ellis	23, Clifton Street, Blackpool, Lanc
6774	Oct. 1912	*¶Milburn, William, Jun.	8, Thornhill Park, Sunderland, Durha
6775	Oct. 1912	*Miles, Hannam Edward	Slades, East Knoyle, Salisbury.
8060	Oct. 1919	*¶Miles, Owen	10, Regent Street, Great Yarmouth.
8576	Oct. 1921	*¶Miles, Walter Edward ..	10, Stanhope Gardens, Harringa N.4 (Middlesex).
7289	Oct. 1913	*Millar, George	Engineer's Office, G. & S.W. Railwa Glasgow.
9238	Oct. 1923	*¶Millar, Henry Moir	44, McAllister Avenue, Airdrie, Sco land.
9051	Oct. 1922	*¶Millar, John	27, Park Hill, Clapham, S.W.4.
5000	Oct. 1906	*¶Millar, Peter	Borough Engineer's Office, Southam ton.
7290	Oct. 1913	*Miller, Arthur William ..	10, Princes Road, Northfields, Stan ford, Lincs.
4475	Oct. 1904	*Miller, Fred	The Hall Farm, Chesterton, Can bridge.
2697	Oct. 1894	*Miller, Frederick William ..	"Newholme," Thornlaw Road, We Norwood, S.E.
9052	Oct. 1922	*¶Miller, Roland Frederick	74, Fairfield Road, Edmonton, N (Middlesex).
6328	Oct. 1911	*¶Miller, Thomas Hartley ..	Worsthorne Estate Office, Todmord Road, Burnley, Lancs.
5730	Oct. 1909	*¶Mills, Basil Rupert	32, Curzon Road, Muswell Hill, (Middlesex).
5507	Oct. 1908	*¶§Mills, Robert Henry	Frith Manor, Mill Hill, N.W (Middlesex).
7894	Nov. 1918	*¶Millyard, George, Capt. ..	Littlebridge, Bromyard.
4213	Oct. 1903	*Milne, William Edward Streatfeild	Easton Fruit Farm, Easton, Wickha Market, Suffolk.
752	Feb. 1882	Milnes, Robert..	116, Loughborough Park, Brixto S.W.9.
7293	Oct. 1913	*¶Milton, Frederick	132, Lordship Road, Stoke Newingt N.
7895	Nov. 1918	*¶Minifie, William, Jun.	Wootton, Bridgnorth, Salop.
4214	Oct. 1903	*¶Minors, Ernest, B.Sc. (Lond.), A.M.I.C.E.	Borough Surveyor's Office, Town H Darlington.

p.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6	Oct. 1904	*MINTER, GEORGE ASH, M.B.E.	23, Hanover Buildings, Above Bar, Southampton.
9	Oct. 1923	*¶MITCHELL, GEORGE ANGUS ..	1, West Craibstone Street, Bonaccord Square, Aberdeen.
1	Oct. 1919	*¶MITCHELL, JOHN RICHARD DANIEL	Thorn Bank, Temple Drive, Swinton, nr. Manchester.
3	Oct. 1922	*¶MITCHELL, STEPHEN GEORGE..	6A, Crookham Road, S.W.6.
4	Oct. 1920	*¶MITCHELL, WILLIAM ..	2, Robert Street, Adelphi, W.C.
1	Oct. 1909	*MITCHELL, WILLIAM CHALMERS	Henham Estate Office, Wangford, Suffolk.
4	Oct. 1899	*MOAT, ERNEST WILLIAM	Portland Cottage, Frant Road, Tunbridge Wells.
7	Oct. 1921	*¶MOLONY, WILLINGTON	38, Waterloo Road, Dublin.
4	Feb. 1899	*¶MOLYNEUX, FRANK EUSTACE ..	Lingfield, Smitham Bottom Lane, Purley, Surrey.
4	Oct. 1922	*¶MONAHAN, ARTHUR WILLIAM	43, Sackville Gardens, Hove, Sussex.
5	Oct. 1920	*¶MONARD, STANLEY HOPKIRK	10, Donegal Street, Belfast.
4	Oct. 1913	*¶MONEY, ALEXANDER WALKER	The Neuk, Clarkston, Glasgow.
6	Oct. 1920	*MONTGOMERY, CECIL VINCENT	43, Upper Beechwood Avenue, Ranelagh, Dublin.
3	Oct. 1906	*MONTGOMERY, GEORGE	24, Montpelier Road, East Finchley, N. (Middlesex).
8	Oct. 1921	*¶MOODY, FRANCIS TYRELL ..	36, Wyke Gardens, Stockwell, S.W.9.
8	Oct. 1908	*¶MOODY, HERBERT LINE, A.R.I.B.A.	Shrewsbury House, Lyonsdown Road, New Barnet.
0	Oct. 1911	*MOODY, WALTER RICHARD.. ..	Newark House, 9, Inglis Road, Folkestone, Kent.
1	Oct. 1911	*MOON, HENRY ALFRED, A.R.I.B.A.	1, Melbourne Road, Merton Park, S.W. (Surrey).
5	Oct. 1922	*¶MOON, THOMAS ERIC	Tintagel, Clifton Avenue, Church End, Finchley, N.3 (Middlesex).
0	June 1896	*MOORE, HUGH ARMYTAGE.. ..	Rowallane, Saintfield, Co. Down.
9	Oct. 1921	*¶MOORE, JOHN ALFRED .	25, Neville Road, Stoke Newington, N.16.
8	Oct. 1903	*MOORE, RICHARD CHARLES ..	72, Amhurst Park, Stamford Hill, N.16.
2	Oct. 1909	*MORE, JOHN NOVIS	Crown Lodge, Harlech, North Wales.
0	Oct. 1921	*¶MORGAN, ALFRED	Parkside, Whickham, nr. Newcastle-on-Tyne.
1	Oct. 1921	*MORGAN, DAVID	12, High Street, Treorchy, Glam.
9	Oct. 1912	*MORGAN, DAVID EDGAR	Glyn Tawe, Vicarage Road, Morriston, Glam.
3	Oct. 1907	*MORGAN, ERNEST WILLIAM ..	26, Dover Street, W.
0	Oct. 1923	*¶MORGAN, GEOFFREY FRANK JOHN	Revaluation Dept., Town Hall, Hendon, N.W.4 (Middlesex).

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
4759	Oct. 1905	*MORGAN, HERBERT WOOSNAM	86, Eccleston Square, S.W.1.
5733	Oct. 1909	*¶MORGAN, IFOR JOHN	Townend, Ilminster, Somerset.
7896	Nov. 1918	*MORGAN, IVOR WALTER	2, Devynock Road, Sunnybridge, S. Breconshire, S. Wales.
8267	Oct. 1920	*¶MORGAN, WILFRED WYNTER	Church End, Slymbridge, nr. Stor house, Glos.
7897	Nov. 1918	*¶MORGAN, WILLIAM NOEL	Maesydderwen, Mountain Ash, Gla
8268	Oct. 1920	*¶MORGAN, WILLIAM THOMAS ..	Town Hall, Southall, Middlesex.
8582	Oct. 1921	*¶MORHAM, KENNETH NOBLE ..	17, Mansion House Road, Edinburg
8269	Oct. 1920	*¶MORLEY, EDWIN LAURANCE	Hadleigh Farm, Raydon, Hadleig Suffolk.
7395	Oct. 1913	*MORLEY, RICHARD	8, Oakdale Road, Sheffield, Yorks.
5734	Oct. 1909	*¶MORRIS, ALEXANDER GEORGE ..	67 & 68, Cheapside, E.C.2.
6973	Feb. 1915	*¶MORRIS, ELLIS	67 & 68, Cheapside, E.C.2.
7296	Oct. 1913	*MORRIS, HENRY ROWLAND ..	Small Holdings Dept., Shire Ha Nottingham.
6780	Oct. 1912	*¶MORRIS, HUBERT LLOYD	4, Howard Street, Sheffield.
9056	Oct. 1922	*¶MORRIS, WILLIAM, A.M.I.Struct.E.	2, St. Brendans Road, Withingto Manchester.
2632	Feb. 1894	*MORRISON, DANIEL	41, John Dalton Street, Manchester
6007	Oct. 1910	*¶MORRISON, JOHN BAXTER.. ..	Airlie Estate Office, Cortachy, K riemuir.
6781	Oct. 1912	¶MORRISON, NORMAN THOMAS ..	City Architect's Office, City Cha bers, Dundee.
9057	Oct. 1922	*¶MORSE, ARTHUR PERCY	83, Beaconsfield Villas, Brighton
4114	Feb. 1903	*MORSE, DUDLEY WALTER.. ..	Kirtlington, Oxford.
9058	Oct. 1922	*¶MORTON, JAMES DUNLOP ..	22, Marlborough Road, Waterl near Liverpool.
6009	Oct. 1910	*MORTON, THOMAS CHALMERS ..	39, Princess Street, Manchester.
7300	Oct. 1913	*MORTON, WILLIAM PERCY	61, Hunter Road, Southsea.
7898	Nov. 1918	*¶MORWOOD, ARTHUR	Engineer's and Surveyor's Dep Town Hall, Eastbourne.
8583	Oct. 1921	*¶MOSELEY, LEONARD	2, Rhiw Bank Terrace, Colwyn B N. Wales.
7689	Nov. 1916	*¶MOSS, SIDNEY ROBERT	122, Wellesley Road, Ilford, Essex
6783	Oct. 1912	*¶MOWBRAY, CLYDE BERNARD ..	32, Brynmill Terrace, Swansea.
8584	Oct. 1921	*MUGGLESTONE, CYRIL	17, Portland Street, Pleasley H Mansfield.
7301	Oct. 1913	*¶MUIR, ANDREW, JUN.	14, Woodburn Road, Newlands, Glasgow.
3406	Oct. 1898	*MULLETT, HENRY THOMAS.. ..	36, St. Alban's Crescent, Woodfo Essex.
5731	Oct. 1909	*¶†MUMFORD, FRANK SEPTIMUS ..	103, Finborough Road, South K sington, S.W.10.
5226	Oct. 1907	*MURRAY, ARTHUR MALCOLM ..	Doric Villa, Dukes Avenue, New Mald Surrey, and H.M. Office of Wo King Charles Street, S.W.

† Special Sanitary Science Diploma.

p. o.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
04	Oct. 1913	*¶MURRAY, LAWRENCE JOSEPH ..	Valuation Office, Inland Revenue, 15, Belmont, Shrewsbury.
09	Oct. 1908	*MURRAY, PENRY JOHN, CAPT., B.A. (*Cantab.*)	Cefn Park, Brecon, South Wales.
36	Oct. 1902	*MURTOUGH, JOSEPH	c/o Messrs. Young & White, North End, Portsmouth.
29	Oct. 1914	*¶MUSGRAVE, HAROLD	c/o J. Birkett & Son, Land Agents, Penrith.
50	Oct. 1922	*¶MUSSARED, WILLIAM JOHN ..	16, Rowan Road, Hammersmith, W.6
71	Oct. 1920	*¶MYHILL, FREDERICK ROBERT	253, Lavender Hill, S.W.11.
.2	Oct. 1910	*NASH, EUGENE FLEETWOOD ..	Railway Construction, Huni Valley, via Sekondi, Gold Coast.
35	Oct. 1912	*¶NEAL, WALTER BOUGHTON.. ..	Inland Revenue (C District), 2nd Floor, 4, Howard Street, Sheffield.
72	Oct. 1920	*NEALE, JOHN HUMPHREY ..	18, St. Albans Road, Moseley, Birmingham.
06	Oct. 1913	*¶NEALE, THOMAS ARCHIBALD ..	Southfield, New Road, Water Orton, Birmingham.
38	Oct. 1902	*¶NEAME, FREDERICK IVO	The Offices, Macknade, Faversham, Kent.
73	Oct. 1920	*¶NELSON, ARCHIE	4, Aberlash Villas, Tivydail, near Ammanford, S. Wales.
35	Oct. 1921	*¶NELSON, WILLIAM PERCIVAL	Elsinore, Pontypool Road, Mon.
37	Oct. 1909	*NETTELTON, OSCAR TRAVES ..	P.W.D., Galle, Ceylon.
32	Oct. 1919	*¶NEVILLE, ERIC BERNARD	Crosshill House, Muthill, Perthshire.
10	Oct. 1908	*¶NEW, ELLIOTT JOHN	Otford, Kent.
74	Oct. 1920	*¶NEWBIGGING, ROBERT GERALD HUSTLER	22, Foregate Street, Worcester.
88	Oct. 1912	*¶NEWELL, LEOPOLD MONK.. ..	c/o J. Newell, Esq., J.P., Intabene, Upton Road, Birkenhead, Cheshire.
29	Oct. 1907	*NEWHOUSE, EDWARD..	Public Works Department, Hong Kong.
40	Oct. 1902	*NEWINGTON, CALEB RICKMAN K.	The Kennel, Pyecombe, Hassocks, Sussex.
16	Jan. 1922	*¶NEWMAN, ALFRED EDWARD ..	6, Durant's Road, Ponders End, Middlesex.
09	Oct. 1915	*¶NEWMAN, CLAUDE EDWIN SANDYS	17, Morton Crescent, Exmouth.
99	Nov. 1918	*¶NEWMAN, JOHN ALBERT	7, Swinley Road, Wigan, Lancs.
11	Oct. 1908	*¶NEWMAN, PERCIVAL CORNEY, A.R.I.B.A.	32, Walbrook, E.C.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
3718	Oct. 1900	*Newman, Walter Philip.. ..	121, Victoria Street, S.W.
4483	Oct. 1904	*¶Newman, William Walter, A.M.I.C.E.	Council Offices, High Street, Watfo Hertfordshire.
4223	Oct 1903	*¶§Newnham, Frank George ..	155, Mason's Hill, Bromley, Kent
7307	Oct. 1913	*Nichols, Hedley William ..	3, Sansome Place, Worcester.
9241	Oct. 1923	*¶§Nichols, John Lionel ...	Vine House, Church Street, Chiswi W.4 (Middlesex).
3163	Feb. 1897	*Nicholson, Ebenezer Bernard	1 and 2, Queen Street, Cheapside, E
9060	Oct. 1922	*¶Nicholson, John	Agricultural Dept., Middlesex C 38, Eccleston Square, S.W.1.
7309	Oct. 1913	*¶Nicholson, Thomas	14, Coniger Road, Parson's Green, S.
8586	Oct. 1921	*¶Nightingale, Arthur Leslie	159, High Street, Putney, S.W.15
7900	Nov 1918	*¶Nightingall, Charles William	19, Hardwicke Road, Reigate.
8587	Oct. 1921	*Nixey, William George ..	46, St. John's Road, Weston, Ba
6792	Oct. 1912	*¶Nixon, Ernest	23, Oaklands, Gosforth, Newcas on-Tyne.
5739	Oct. 1909	*Noble, Walter Hubert.. ..	Engineer's Office, Guildhall, E.C.
9061	Oct. 1922	*¶Norman, Eric Frank	c/o Messrs. Best & Barnes, Est Office, 2, Westow Street, Up Norwood, S.E.19.
7610	Oct. 1915	*¶Normanton, Joe	Glen View, Ripponden, Yorks.
7311	Oct. 1913	*Northcott, Francis Frederick	Architectural Dept., Borough S veyor's Office, Southend-on-Sea
6013	Oct. 1910	*Norton-Nash, Harry Beddoes	District Valuer's Office, 23, Skin Street, Newport, Mon.
9062	Oct. 1922	*¶Nott, Christopher Arthur ..	59, London Road, St. Albans, He
9242	Oct. 1923	*¶Nott, Thomas Jeffery ..	Maynes, St. Albans, Herts.
8588	Oct. 1921	*¶Nunn, Cecil George	Kennans House, Crown Court, Che side, E.C.2.
8917	Jan. 1922	Nutchey, Edward Albert..	83A, Hambalt Road, Clapham Pa S.W.4.
7312	Ont. 1913	*¶Nye, George Vincent	118, North Side, Clapham Comm S.W.4.
3874	Oct. 1901	*Oaten, Alfred Edward.. ..	22, Clare Street, Bristol.
8589	Oct. 1921	*¶O'Connell, Patrick Joseph	14, St. Paul's Road, Kenning Park Road, S.E.17.
5231	Oct. 1907	*Odam, George Maxwell.. ..	County Hall, Aylesbury, Buckingh shire.
5512	Oct. 1908	*Oddy, Joseph Ronald Ridley	47, Moreton Street, Chadderton, Oldham, Lancs.

¶ Special Rating Diploma.

).).	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6	Oct. 1911	*Odell, John Frederick	24, John Street, Bedford Row, W.C.1
2	Oct. 1907	*¶Offlow, Arthur Rowland ..	30, Berlin Road, Catford, S.E.
5	Feb. 1909	*¶Ogden, Frederick Soresby ..	The Yews, Stanley, near Derby.
7	Oct. 1911	*¶Oldfield, George Harry Robert	Valuation Dept., Inland Revenue, 12 Priory Avenue, Taunton, Somerset.
.3	Oct. 1913	*Oliver, Edwin Hamerton ..	Gisborough Estate Office, Gisborough Yorks.
8	Oct. 1911	*Oliver, Harry Hutt..	11, Haarlem Road, W.14.
5	Oct. 1920	*Oram, Emmanuel Joseph ..	New County Hall, Westminster, S.E.
2	Oct. 1902	*Orchard, Alfred Dean	Hinckley, Leicestershire.
0	Oct. 1898	*Orchard, Sidney Samuel ..	Creech St. Michael, Taunton, Somerset
3	Oct. 1923	*¶Ord, Richard William ..	9, Spencer Road, Twickenham, Middlesex.
6	Oct. 1920	*¶Orr, Charles Stewart ..	Land Valuation Office, 249, George Street, Glasgow.
7	Oct. 1910	*¶Orr, Robert	34, Douglas Road, N.1.
6	Oct. 1903	*Orton, William Goodacre ..	c/o Sir J. F. L. Rolleston and Co. Grey Friars, Leicester.
0	Oct. 1921	*¶§Osborne, Edward Sidney..	The Firs, Nether Street, Church End Finchley, N.3 (Middlesex).
4	Oct. 1923	*¶Osborne, Philip George ..	The Firs, Nether Street, Church End Finchley, N.3 (Middlesex).
7	Oct. 1913	*¶O'Sullivan, Terence James ..	The Union Offices, Stoke-on-Trent.
3	Oct. 1907	*Ovenden, Hugh..	Holmfield, Whitestake, near Preston Lancs.
7	Oct. 1920	*¶Overton, Percy	3, Albion Mansions, Marine Parade Hastings.
1	Nov. 1918	*Owen, Henry Thomas	Ripon House, Barmouth.
3	Oct. 1922	*¶Owen, Ralph Eldon	c/o General Sladen, Fintry Furi Kenya Colony, B.E.A.
9	Oct. 1913	*Owen, Thomas	County Surveyor, County Offices Carnarvon.
1	Oct. 1915	*¶‡Owen, Thomas Burwood ..	12, West Street, Walsford, Wimborne
8	Oct. 1920	*¶Owen, Wilfrid Scotter ..	9, King's Bench Walk, Temple E.C.4.
4	Oct. 1922	*¶Oxborrow, Lionel Ernest ..	17, Warrington Road, Ipswich.

‡ Special Forestry Diploma.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
5006	Oct. 1906	*¶Packe, William Vere	Cross House, Fawkham, Kent.
6796	Oct. 1912	*¶Page, Arthur Reginald.. ..	Belle Vale Lodge, Gateacre. ne Liverpool.
4487	Oct. 1904	*Page, Bernard Culmer	18, St. Thomas Street, Lond Bridge, S.E.
4488	Oct. 1904	*¶Page, Edmund	42, Balmoral Road, Gillingham, Ken
8591	Oct. 1921	*¶Page, John Thomas	36, Strutt Street, Derby.
4766	Oct. 1905	*Page, Joseph	38, St. Ives Mount, Upper Armle Leeds.
8279	Oct. 1920	*Paginton, Montague	Old Rectory Chambers, 2, Nort brook Street, Newbury.
3250	Oct. 1897	*Paice, William, Jun.	Wentworth Cottage, Virginia Wat Surrey.
4509	Feb. 1904	*¶Palmer, Arthur	Town Hall, Greenwich, S.E.
4767	Oct. 1905	*Palmer, Charles Drayton ..	c/o District Valuer, High Bridg Lincoln.
7320	Oct 1913	*¶Palmer, Robert Sidney	4, Melbourne Place, Swansea.
5513	Oct. 1908	*Palmour, Frederick John Clifford	War Dept., Estate Office, Durringt Wilts.
6018	Oct. 1910	*¶Panario, Francis Michael ..	139, Springbank Road, Hither Gre S.E.13.
5831	Feb. 1910	*¶Paramor, William	320, London Road, Dover.
6798	Oct. 1912	*Parham, Arthur Douglas, A.R.I.B.A.	Public Works Department, Colom Ceylon.
7322	Oct. 1913	*Park, Edward	Prospect House, Greenodd, Ulverst Lancs.
8592	Oct. 1921	*¶Parker, Beltran William..	Framfield Road, Buxted, Sussex.
3719	Oct. 1900	*¶§‡Parker, Frederic William	Parks Department, London Cou Council, New County Hall, S.E
8593	Oct. 1921	*¶Parker, Harold Vincent ..	8, Temple Row, Wrexham, N. Wal
7902	Nov. 1918	*Parker, Herbert William, Capt.	Claremont, Brighton Road, Sutt Surrey.
3720	Oct. 1900	*Parker, Howard	Pine Coulu P.O., via Gull Lake, S katchewan.
9245	Oct. 1923	*¶Parker, Richard Cecil Oxley	Malting Farm, Little Hallingbu Bishop's Stortford.
7903	Nov. 1918	*¶Parker, Robert, Capt., m.c. ..	Mostyn Estate Office, Llandudno.
9065	Oct. 1922	*¶Parker, Robert	67, Lichfield Street, Gateshead, Durham.
9246	Oct. 1923	*¶Parkin, Charles Frederick	37, Brighton Street, Barrow-in-F ness, Lancs.

‡ Special Forestry Diploma.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1895	*Parks, Walter	51, Havelock Road, Hastings, Sussex.
Oct. 1897	*Parnacott, Arthur Charles..	93, York Road, Westminster Bridge Road, S.E.
Oct. 1908	*¶Parratt, Albert Martin.. ..	45, Downton Avenue, S.W.2.
Oct. 1903	*Parrott, Hugh Francis Vivian	15, Smithfield Chambers, E.C.1.
Oct. 1913	*Parry, David Morris	Gwynfryn, Pwllheli, N. Wales.
Oct. 1912	*Parry, Walter John	Savada, Porthill Gardens, Shrewsbury.
Oct. 1910	*¶Pascoe, Herbert	5, Scholemoor, Avenue, Clayton Rd., Bradford.
Oct. 1922	*¶Pasterfield, Vere Clarence	3, Maude Road, Camberwell, S.E.
Oct. 1923	*¶Paterson, John Rimmer ..	16, Cook Street, Liverpool.
Feb. 1909	§*Patey, George Head	3 and 5, Station Road, Watford, Herts.
Oct. 1906	*Paton, Hugh	Arley Green, Northwich, Cheshire.
Oct. 1913	*¶Patten, John	18, Bailiffgate Street, Alnwick.
Oct. 1912	*Pattinson, Jeffrey	26, Elgin Crescent, Bayswater, W.11.
Oct. 1907	*¶Paul, Francis	77, Burnt Ash Hill, Lee, S.E.
Oct. 1910	*¶Paul, George Garnham	Varenna, East Sheen Avenue, East Sheen, S.W.14 (Surrey).
Oct. 1895	*Paul, John William..	31, Bedford Row, W.C.
Oct. 1907	*¶Payne, Ernest Albert Denison	14, Warwick Street, Worthing.
Oct. 1913	*Payne, Frederick George ..	Valuation Department, Old County Hall, Spring Gardens, S.W.1.
Jan. 1922	Payne, William Bradley ..	C.E. in C.'s Dept. Admiralty, S.W.1.
Oct. 1909	*Peake, Albert Edward	County Hall, Cambridge.
Oct. 1896	*Pearce, Charles Frederick ..	71, Edgware Road, W.
Oct. 1903	*Pearce, Stephen Harvey ..	Architect's Department, L.C.C., New County Hall, S.E.1., and Polruan, Conway Road, Southgate, N. (Middlesex).
Oct. 1913	*¶Peard, Clifford James, Major, D.S.O.	The Croft, North Curry, Taunton.
Oct. 1920	*¶Peard, John Cuthbert Noel, Capt., M.C.	The Croft, North Curry, Taunton.
Oct. 1913	*Pearse, Martin	Abinger, Egmont Road, Sutton, Surrey.
Oct. 1921	*¶Pearse, Walter Pitts ..	Barncott, Plympton, S. Devon.
Oct. 1921	*¶Pearson, Frederick George	41, Cicada Road, Wandsworth Common, S.W.18.
Oct. 1910	*Pearson, George Parker ..	Estate Office, Grittleton, Chippenham, Wilts.
Oct. 1910	*Pearson, Norman Hanson ..	52, Percy Park, Tynemouth, Northumberland.
Oct. 1902	*Pearson, Thomas Gibson.. ..	Town Hall, Barrow-in-Furness, Lancashire.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
9067	Oct. 1922	*¶PEAT, ROBERT WRIGHT	Estate Office, Staindrop, Darlingto
6975	Feb. 1913	*PEEL, WILLIAM RALPH	Salisbury Hall, Ribchester, ne Preston, Lancs.
2634	Feb. 1894	*PEGGE, JOHN THOMAS..	The Anchorage, Durham.
8281	Oct. 1920	*¶PEGLER, FRANK REGINALD ..	Peacehaven Estates, Peacehaven, Newhaven, Sussex.
8597	Oct. 1921	*¶PEIRCE, PETER CARRINGTON	30, St. Petersgate, Stockport.
5243	Oct. 1907	*PEIRCE, RICHARD GEORGE.. ..	61, Rutland Gardens, Hove.
9248	Oct. 1923	*¶PENDERED, THOMAS DENT ELLIOT	Redwell, Wellingborough.
9249	Oct. 1923	*¶PENDLEBURY, CLAUDE LUTHER	6, Pembroke Terrace, Cardiff.
7333	Oct. 1913	*¶‡PENNINGTON, RICHARD WATSON	Cowbeech House, near Hailsha Sussex.
6025	Oct. 1910	*¶PENNINGTON, STANLEY MUNCASTER	10, Merton Road, Bootle, Lancs.
8598	Oct. 1921	*¶PENNY, REGINALD THOMAS ..	High Street, Epping.
7334	Oct. 1913	*PENTLETON, ROBERT HENRY ..	Revelstoke, Salisbury Road, Carshalt Surrey.
5750	Oct. 1909	*¶PERCIVAL, FRANK NEVILLE ..	Estate Office, Singleton Park, Poult le-Fylde, Lancashire.
6609	Oct. 1912	*PERKIN, CHARLES	6, Old Road, Cheadle, Cheshire.
4052	Oct. 1902	*PERKIN, DANIEL WARD	2, Drapers Gardens, Throgmor Avenue, E.C.2.
6343	Oct. 1911	*PERKIN, REGINALD JEFFRIES ..	11, Cole Hill, Tamworth, Staffs.
8599	Oct. 1921	*PERKINS, FRANK KING	7, Baldock Way, Hills Avenue, Ca bridge.
1898	Nov. 1890	*PERKINS, JOSEPH	86, Willows Road, Balsall Heath, mingham.
7336	Oct. 1913	*PERRIN, FRANK JANES	Bridge Buildings, Barnstaple, Devon.
7906	Nov. 1918	*PERRIN, JOEL WILLIAMSON HENRY	Crossfell, Tilehurst Road, Readi Berks.
3722	Oct. 1900	*PERRINS, GEORGE LATHAM ..	23, Halifax Road, Ainsdale, Southp
9250	Oct. 1923	*¶PERRY, EVELYN ELLIS (MISS)	108, Baker Street, W.1.
9251	Oct. 1923	*¶PERRY, HENRY	19, Stamford Road, De Beauv Town, N.1.
5518	Oct. 1908	*PETER, ARTHUR GRANVILLE ..	Northernhaye, Launceston, Cornwa
4310	Feb. 1904	*¶PETERS, GEORGE FARMER JAMES	Royal Oak Farm, Goldsworth, Wok Surrey.
8600	Oct. 1921	*¶PETERS, HERBERT THOMAS ..	c/o Hunt, Peddar & Knight, S mundham, Suffolk.
8601	Oct. 1921	*¶PETERS, LESLIE	134, High Street, Guildford, Sur
6454	Feb. 1912	*PETLEY, BERTRAM	Crixhall Court, Staple, Canterbur
6344	Oct. 1911	*PETLEY, GUY	Crixhall Court, Staple, Canterbury.

‡ Special Forestry Diploma.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES	Address.
391	Nov. 1916	*¶PETTETT, HERBERT CHARLES ..	46, Haverstock Hill, South Hampstead, N.W.
921	Dec. 1883	PEWTRESS, HERBERT WILMSHURST	15, Cursitor Street, Chancery Lane, W.
302	Oct. 1921	*¶PEXTON, FREDERICK WILLIAM	76, Savile Road, Savile Town, Dewsbury, Yorks.
45	Oct. 1911	*¶PHILCOX, CECIL LODGE	Northover, Heathside Park Road, Woking, Surrey.
705	Oct. 1894	*PHILLIPS, FRANCIS JOHN	Albury, Queen's Road, Springfield, Chelmsford.
12	Oct. 1912	*¶PHILLIPS, SAMUEL CHARLES ..	Crafnant, Ariadne Road, West Worthing.
282	Oct. 1920	*¶PHILLIPS, WILLIAM GEORGE	234, Barcombe Avenue, Streatham Hill, S.W.2.
13	Oct. 1912	*¶PHILLIPS, WILLIAM RITCHIE, CAPT.	c/o Property Investment Co., Ltd., 4, Queen Street Place, E.C.4.
337	Oct. 1913	*PICKERSGILL, ALFRED	c/o Messrs. G. Carter & Co., 55, Chancery Lane, W.C.2.
283	Oct. 1920	*¶PICKIN, ROBERT WILLIAM ..	52, Morland Road, Burnley.
303	Oct. 1921	*PICKUP, JOHN	43, Eldon Road, Blackburn.
304	Oct. 1921	*PIDGEON, FRANK ALLEN ..	Messrs. Morgan Baines & Clark, Sutton, Surrey.
14	Oct. 1912	*PIERPOINT, LEONARD	31, King Street, Wigan, Lancs.
97	Oct. 1904	*PILBEAM, FRANCIS NEWCASTLE..	19, Feilding Road, West Kensington, W.14.
05	Oct. 1921	*¶PILDITCH, PHILIP HAROLD ..	6–8, Old Bond Street, W.1.
68	Oct. 1922	*¶PILKINGTON, JOHN MULOCK ..	85, North Side, Clapham Common, S.W.4.
54	Oct. 1897	*PINFOLD, FRANCIS ARTHUR ..	Estate Office, L.B. and S.C. Ry., London Bridge Terminus, S.E.
69	Oct. 1922	*¶PINHORN, ALFRED CHARLES ..	534, Commercial Road, Stepney, E.1.
64	Oct. 1919	*¶PINKERTON, JOHN CASSELS, M.C.	24, Woodburn Road, Newlands, Glasgow
10	Nov. 1918	*¶PINKHAM, COURTENAY SHORT ..	City Engineer's Office, Queen's Square, Bristol.
52	Oct. 1923	*¶PINNELL, HENRY JAMES ..	Metropolitan Water Board, 173, Rosebery Avenue, E.C.1.
48	Oct. 1911	*PIPE, HENRY JAMES	Bickley, Druce Road, Dulwich, S.E.
06	Oct. 1921	*¶PIPER, PERCY JAMES	4, Northumberland Avenue, Reading.
84	Oct. 1920	*¶PITTAM, EDWARD CHARLES ..	"Tendring," Empress Avenue, Woodford Green, Essex.
70	Oct. 1922	*¶(PITTS, DOUGLAS YATE	54, Huskisson Street, Liverpool.
11	Nov. 1918	*PLATT, CHARLES EDWARD ..	The Lindens, Newport, Salop.

(Special Rating Diploma.

Mbr. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
771	Oct. 1922	*¶Platt, Edward Poulter ..	169, Gosbrook Road, Caversham, Reading.
913	Oct. 1906	*¶Plumb, Francis Clarkson ..	c/o A. S. Soutar, 8, King William Street, Strand, W.C.
914	Oct. 1906	*¶Plumstead, Henry William Lewis	126, The Avenue, Highams Park, N.E. (Essex).
607	Oct. 1921	*¶Pointing, Herbert John ..	160, Thorold Road, Ilford.
339	Oct. 1913	*Pointon, Harold Jesse	13, Albert Street, Newcastle, Staffs.
913	Nov. 1918	*Pollington, Edward Victor..	R.N. Oil Fuel Depot, P.O. Box 91, Port Sudan, Red Sea.
285	Oct. 1920	*¶Pool, Arthur Harry William	6, Ashdown Road, Kingston-on-Thames, Surrey.
286	Oct. 1920	*¶Poole, Reginald	95, Merton Road, Bootle, Liverpool.
608	Oct. 1921	*¶Poole, Samuel Henry ..	44, Gordon Street, Scarborough.
027	Oct. 1910	*Poore, John	Badminton, Gloucester.
771	Oct. 1905	*Pope, Herbert Burgham ..	2, Devonshire Terrace, Portland Place, W.
287	Oct. 1920	*¶Porter, Edward Lettington	Wrotham, College Avenue, Grays, Essex.
609	Oct. 1921	*¶Porter, Harold	17, Danehurst Street, Fulham, S.W.6
580	Oct. 1899	*Potter, Shirley Herbert ..	2, Stanhope Gardens, Highgate, N.6 (Middlesex).
028	Oct. 1910	*¶Pottier, Alfred	17, Julien Road, Coulsdon, Surrey.
116	Feb. 1911	*Potts, Gilbert Ackroyd ..	34, Victoria Buildings, Victoria Street, Manchester.
816	Oct. 1912	*†Pover, William Alfred.. ..	54, Park Road, Faversham, Kent.
772	Oct. 1905	*Povey, Stephen Goddard ..	17, Blagrove Street, Reading, Berks.
253	Oct. 1923	*¶Powell, Clive David Allen	40, Woodstock Road, Moseley, Birmingham.
810	Oct. 1921	*¶Powell, Herbert William John	84, Cathedral Road, Cardiff.
065	Oct. 1919	*Powell, Humphrey Crofts ..	38, Wilbury Road, Hove, Sussex.
499	Oct. 1904	*Power, Richard Reilly.. ..	Civil Engineer-in-Chief's Department, Admiralty, S.W.
611	Oct. 1921	*¶Prance, Charles William ..	Council Offices, Wimborne, Dorset.
612	Oct. 1921	*Preece, Edwin Thomas Orlando	7, Coton Crescent, Shrewsbury.
072	Oct. 1922	*¶Prentice, Robert Johnston Calder	Public Works Dept., Pretoria, S. Africa.
288	Oct. 1920	*¶Prescott, Matthew Swift ..	2, Rivershill, Glebelands Road, Ashton-on-Mersey, Cheshire.
342	Oct. 1913	*¶Preston, Walter Ronald ..	Curlew Hope, Weybridge, Surrey.
774	Oct. 1905	*Prevatt, Francis Christophe	163, Belmont Circular Road, Port-of-Spain, Trinidad, West Indies.

† Special Sanitary Science Diploma.

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317	Oct. 1912	*PRICE, ERIC ARTHUR	92, Holden Road, N.12 (Middlesex
318	Oct. 1912	*¶PRICE, GEORGE STANLEY	Carlton House, Hawarden, nr. Chest
313	Oct. 1921	*¶PRICE, GILBERT RHYS	5, Louvaine Road, S.W.11.
348	Oct. 1907	*PRICE, JOHN ROWLAND	102, Bradwall Road, Sandbach, Cheshir
349	Oct. 1907	*PRICE, REGINALD HENRY KING	Estate Buildings, 7, St. Stephen Street, Bristol.
344	Oct. 1913	*PRICE, THOMAS GEORGE	5, Eagle Street, Port Talbot, Glan
314	Oct. 1921	*PRICE, WILLIAM THOMAS ..	The Farm Institute, Penkridge, Staf ford.
973	Oct. 1922	*¶PRICHARD, JAMES THOMAS ..	Manselton Villa, Ferryside, Car- marthenshire.
916	Nov. 1918	*PRIEST, BERNARD	The Estate, Riddlesworth Hall, Thet ford.
522	Oct. 1908	*PRIOR, ARTHUR SPARKS	c/o G. M. Simpson, Esq., 16, Shi Street, Brighton.
51	Oct. 1911	*PRIOR, GORDON STEWART	20, Berkeley Street, Piccadilly, W.1
315	Oct. 1921	*¶PRITCHARD, CEDRIC HOOD ..	Bank Buildings, Colston Avenu Bristol.
321	Oct. 1912	*¶PRITCHARD, WILLIAM, A.R.I.B.A.	Housing Dept., Municipal Building Liverpool.
352	Oct. 1911	*¶PROSSER, ROGER, B.SC.	The Elms, Struet, Brecon.
254	Oct. 1923	*¶PROSSER, WALTER HENRY ..	11, Adare Street, Bridgend, Glam.
345	Oct. 1913	*PROUD, STANLEY SISSON	The Wish, Uttoxeter, Staffs.
350	Oct. 1907	*¶PULFORD, LEONARD CYRIL ..	The Cedars, Addiscombe, Surrey.
917	Nov. 1918	*¶PULLEN, HAROLD WILLIAM ..	21, Dickenson Road, Crouch Hill, N.8 (Middlesex).
323	Oct. 1912	*¶PUNTER, PERCIVAL ALAN ..	61, Coronation Road, Cwmbran, Mon
974	Oct. 1922	*¶PURDIE, JOHN ERNEST	Whytecotte, Petersham Avenue, By fleet, Surrey.
724	Oct. 1917	*¶PURRY, ERNEST STEPHEN	51, Parliament Hill, Hampstead, N.W.
324	Oct. 1912	*PURSGLOVE, ARCHIBALD, A.R.I.B.A.	10, Elmsmere Road, Fog Lane, Didsbu Manchester.
330	Oct. 1910	*PUSSER, DANIEL ROBERT	252, Old Kent Road, S.E.
255	Oct. 1923	*¶PUTT, EDWARD POMEROY ..	29, Burland Road, Clapham Commo S.W.11.
725	Oct. 1917	*¶PUZEY, SIDNEY THEODORE ..	46, Philbeach Gardens, S.W.5.
785	Oct. 1895	*PYE, GEORGE HENRY..	Rocklyn, Barkers Lane, Ashton-on Mersey, Cheshire.
775	Oct. 1922	*¶PYNE, REGINALD WALTER ..	Bybrook, Godstone Road, Purley Surrey.

ship. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
502	Oct. 1904	*¶Quarmby, Charles David ..	64, Crescent Lane, Clapham, S.W.
346	Oct. 1913	*Quilter, Henry..	St. Malo, Percy Road, Hampton-on Thames, Middlesex.
918	Nov. 1918	*Quirke, Raymond Fitzwilliam, Capt., o.b.e.	8, Royalty Mansions, Meard Street Wardour Street, W.
7758	Oct. 1909	*¶Radburn, Sydney Charles ..	Cheriton Ridge, Kingston Hill, Surrey.
3616	Oct. 1921	*¶Raddall, Thomas	3, Ermington Terrace, Plymouth.
3617	Oct. 1921	*¶Ragg, Frederick Reginald	The Poplars, Leopold Street, Derby
3618	Oct. 1921	*¶Ralph, Sydney Maurice ..	14, Preston Road, North End, Portsmouth.
3619	Oct. 1921	*¶Rampton, Frederick	47, Fernhurst Road, Addiscomb Surrey.
5825	Oct. 1912	*¶Rampton, Percy William ..	5, Mount Street, W.1.
7349	Oct. 1913	*Ramsay, Ernest William ..	Littlecroft, Abbott Road, Abbo Langley, Herts.
3620	Oct. 1921	*¶Ramsay, Weston	c/o Messrs. Borrett & Borrett, 3 Charing Cross, S.W.1.
7920	Nov. 1918	*¶Ramsden, George	Town Hall, Market Drayton, Salo
6826	Oct. 1912	*¶Randall, Ernest John James	2, Cranham View, Stroud Roa Gloucester.
9256	Oct. 1923	*¶Randall, Victor Horace ..	1, Cranbrook Road, Ilford, Essex.
3581	Oct. 1899	*¶Ransom, Thomas Reginald ..	26, Dover Street, W.1.
6827	Oct. 1912	*Ratcliff, William Watts ..	The Willows, West Drayton, Middlese
3416	Oct. 1898	*Rawstron, Charles Oliver ..	Surveyor's Office, Imperial Building Rotherham.
8067	Oct. 1919	*Rayden, John Markett ..	Covert Cottage, Whitchurch, Readi
4241	Oct. 1903	*¶Raymond, James Owen	55. Uxbridge Road, Rickmansworth Herts.
8621	Oct. 1921	*¶§Rayner, Henry Joseph ..	46, Beclands Road, S.W.17.
7351	Oct. 1913	*¶Rayner, Kenneth	34, Benswood Avenue, Leamingt Spa, Warwickshire.
7352	Oct. 1913	*Rayner, William Dex Lea, M.B.E.	Glengarif, Wroxham, Norfolk.
6032	Oct. 1910	*Rayson, William James	56, Sackville Road, Bexhill.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1913	*READ, ALBERT EDWARD	57, Alderbrook Road, Balham, S.W.12.
Oct. 1921	*¶READ, JOHN	Mountain Ash, Hornchurch, Essex.
Nov. 1916	*¶READ, VAUGHAN	10, Beaufort Place, Lambridge Bath
Oct. 1920	*¶REAN, WILLIAM HENRY O.B.E., A.M.I.C.E., M.I.M.&C.E.	c/o Egyptian Government Educational Mission, 28, Victoria Street, S.W.1.
Oct. 1907	*¶REAVELL, CHARLES ASQUITH	5, Bedford Row, W.C.1.
Oct. 1898	*REDFERN, CHARLES FREDERICK	c/o Foster and Redfern, 7, Temple Row West, Birmingham.
Oct. 1912	*¶REED, FRANK UNDERHILL ..	39, Spencer Park, Wandsworth Common, S.W.
Oct. 1912	*REED, STANLEY GORDON	Parks Department, L.C.C., New County Hall, S.E.1.
Oct. 1922	*¶REES, DAVID WATKIN	"Bodlondeb," Penybank, Ammanford, S. Wales.
Oct. 1923	*¶REES, EDGAR STUART	32, Convent Street, Waun Wen, Swansea.
Oct. 1917	*¶REES, ERNEST JOHN	20, Rugby Avenue, Neath, S. Wales.
Oct. 1911	*REES, MORGAN	Penydre House, Neath, Glamorganshire.
Oct. 1901	*REES, WILLIAM HAROLD	Braeside, Crossland Road, Redhill.
Oct. 1912	*REEVE, HENRY GEORGE ..	c/o T. Reeve, The Paddock, Little Stambridge, Rochford, Essex.
Oct. 1923	*¶REEVE, WALTER ESMOND ..	27, Clifden Road, Twickenham, Middlesex.
Oct. 1919	*¶REEVES, LEONARD	Stoney Bank, Kidsgrove, Stoke-on Trent.
Oct. 1921	*¶REID, COLIN COLQUHOUN ..	5, Chisholme Street, Glasgow.
Oct. 1923	*¶REID, ERIC CHARLES MORRIS ..	11, St. Mary Terrace, Dundee, Scotland.
Oct. 1910	*¶REID, ROBERT DONALD	23, Fothringham Road, Ayr.
Oct. 1921	*¶REMNANT, EUSTACE ARCHIBALD	Ex-Officers' Residential Club, 31, Leinster Gardens, Lancaster Gate, W.2.
Oct. 1920	*¶RENNICK, CHARLES BURRIDGE .	Assessor's Office, Corporation of Rangoon, Rangoon.
Oct. 1923	*¶REYNOLDS, KENNETH CHARLES REES	39A, Maddox Street, Hanover Square, W.1.
Oct. 1919	*¶RHYS, JOHN PERCIVAL	Surveyors' & Estate Office, Gt. W. Rly., 164-5, Westbourne Terrace, W.2.
Oct. 1913	*¶RICCOMINI, JAMES ARTHUR ..	County Hall, West Riding Surveyor's Department, Wakefield, Yorks.
Oct. 1908	*RICHARDS, JOHN SYDENHAM ..	3, Trinity Place, Swansea.
Oct. 1909	*¶§RICHARDS, ROBERT HERBERT..	Whitehouse Common, Sutton Coldfield.
Oct. 1923	*¶RICHARDSON, ARTHUR REEVES	44, St. Andrew's Street, Clapham S.W.8.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8291	Oct. 1920	*RICHARDSON, BENJAMIN ..	William Street, Houghton-le-Spri Co. Durham.
7922	Nov. 1918	*¶RICHARDSON, ERNEST GILBERT	41, Bedford Row, W.C.1.
7357	Oct. 1913	*RICHARDSON, FREDERICK	7, Little College Street, Westmins Abbey, S.W.
4777	Oct. 1905	*RICHARDSON, GEORGE	86, Lothian Road, Grove Hill, M dlesbrough.
8625	Oct. 1921	*¶RICHARDSON, WILLIAM	Brynteg, Bryn Road, Swansea.
5022	Oct. 1906	*RICHARDSON, WILLIAM EDWARD	9, Goldhurst Terrace, South Hampste N.W.
5257	Oct. 1907	*¶RICKARDS, CLEMENT ARCHBOLD Ross	24, Albany Gardens, Whitley Ba Northumberland.
8292	Oct. 1920	*RICKETS, REGINALD HERBERT	41, Southdown Road, Wimbledo S.W.19 (Surrey).
3584	Oct. 1899	*¶RIDDETT, MAURICE CHARLES ..	Town Hall Chambers, Ryde, Isle Wight.
6836	Oct. 1912	*RIDDLE, WILFRID PATTERSON ..	Guildhall, Hull, Yorks.
6837	Oct. 1912	*¶RIDE, WILLIAM HENRY	2, Byrkley Street, Burton-on-Tre Staffs.
8626	Oct. 1921	*¶RIDER, WILLIAM HERBERT ..	2, Curzon Road, Southport.
8919	Jan. 1922	¶RILEY, CHARLES HENRY ..	11, Victoria Street, Westminst S.W.1.
7923	Nov. 1918	*RILEY, RICHARD HOLDEN ..	"Ingledene," Merlin Road, Blac burn.
4311	Feb. 1904	*RINGLAND, WILLIAM EWART ..	8, Wellington Road, St. John's Wo N.W.
5764	Oct. 1909	*RISDON, JOHN PEART..	c/o Risdon & Leversha, Wiveliscom Somerset.
9262	Oct. 1923	*¶RITCHIE, WALTER HENRY DENISON	57, Commercial Road, Portsmouth
7924	Nov. 1918	*RITCHIE, WILLIAM TODD	14, Pitcullen Terrace, Perth.
9263	Oct. 1923	*¶RITSON, VIVIAN	The Paddock, Claverton Down, Ba
4510	Oct. 1904	*¶RIVERS, FRANK WILFRED.. ..	23, Bedford Row, W.C.
8627	Oct. 1921	*¶ROACH, DAVID JOHN	8, Gelli Crossing, Ystrad Rhond Glam.
7614	Oct. 1915	*¶ROBB, THOMAS WRIGHT	129, Carsaig Drive, Craigton, Glasg
3419	Oct. 1898	*¶ROBBINS, WALTER FRANCIS ..	4, Carmalt Gardens, Putney, S.W.
6455	Feb. 1912	*ROBERTS, ARTHUR CECIL.. ..	Broadway Estate Office, Bexl heath, Kent.
6036	Oct. 1910	*ROBERTS, FREDERICK LEONARD	32, St. Matthews Avenue, Surbit Surrey.
9077	Oct. 1922	*¶ROBERTS, FREDERICK LUSCOMBE	c/o Messrs. Smith & Moore, Portland Street, Southampton.
7358	Oct. 1913	*ROBERTS, HERBERT JOHN ..	Manor Office, Chy-an-Eglos, Marazi S.O. Cornwall.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1913	*¶ROBERTS, HOWARD	The Haven, 1, Temple Grove, Golders Green, N.W. (Middlesex).
Oct. 1901	*ROBERTS, JOHN	Churton Villa, Tarvin Road, Chester.
Oct. 1920	*ROBERTS, JOHN MEIRION ..	24, Severn Street, Welshpool, Montgomeryshire.
Oct. 1920	*¶ROBERTS, JOSEPH NORMAN ..	Treflan, Tredegar, Mon.
Oct. 1921	*¶ROBERTS, MORGAN GRAHAM ..	3, St. George's Terrace, Swansea.
Oct. 1911	*¶ROBERTS, WILLIAM HUGHES ..	14, Platts Avenue, Watford, Herts.
Oct. 1923	*¶ROBERTSON, DONALD GEORGE	9, Rollscourt Avenue, Herne Hill, S.E.24.
Oct. 1919	*¶§ROBERTSON, HUBERT ALEXANDER	27, Camberwell Green, S.E.5.
Oct. 1921	*ROBERTSON, LAWRENCE GEORGE	R.E. Office, Archcliffe Fort, Dover.
Oct. 1923	*¶ROBERTSON, WILSON MATHIESON	4, Dean Park Street, Edinburgh.
Nov. 1918	*ROBINSON, BENJAMIN GRANT ..	69, Central Street, Springfield, Mass., U.S.A.
Oct. 1920	*¶ROBINSON, GEORGE INGRAM	7, Tacketts Street, Blackburn, Lancs.
Oct. 1920	*ROBINSON, JOSEPH TEMPLE	County Hall Annexe, Kingston-on-Thames, Surrey.
Oct. 1908	*ROBINSON, LESLIE	1, Station Road, Balham, S.W.
Oct. 1920	*¶ROBINSON, MAURICE DIXON	7 Tacketts Street, Blackburn, Lancs.
Oct. 1920	*¶ROBLEY, JOHN	Ingleberg, Beckermet Cumberland
Oct. 1922	*¶ROBSON, GEOFFREY BERTRAM	75, Farnaby Road, Bromley, Kent.
Oct. 1915	*¶RODERICK, BENJAMIN..	Ashbrook House, Aberdare, S. Wales.
Oct. 1912	*RODERICK, WILLIAM DAVID, CAPT., D.S.O., M.C.	Beignon, Richards Terrace, Roath, Cardiff.
Oct. 1922	*¶RODGERS, JOHN HERBERT MARSHALL	St. Anne's Lodge, St. Ann's Lane, Headingley, Leeds.
Oct. 1905	*¶RODWELL, LIONEL HELM	The Estate Office, Threxton, Watton, Norfolk.
Oct. 1907	*ROGERS, EDGAR ARTHUR, CAPT.	Engineer's Dept., Town Hall, East Ham, E.6. (Essex).
Oct. 1921	*¶ROGERS, ERNEST ARTHUR ..	Lynwood, Havant, Hants.
Oct. 1923	*¶ROGERS, JAMES WALTER ..	102, East Dulwich Grove, S.E.22.
Oct. 1908	*ROGERS, JOHN	14, St. Alban's Road, Swansea.
Oct. 1907	*ROGERS, JOHN RUSSELL	6, High Street, Maldon, Essex.
Oct. 1912	*¶ROGERS, MATTHEW SPENCER ..	County Surveyor's Office, Eastern Division, Wrexham.
Oct. 1908	*¶ROLFE, CHARLES BERTRAM ..	28, The Avenue, Hitchin, Herts.
Oct. 1910	*¶ROOME, FRANK MORRIS	27, Deyncourt Gardens, Upminster, Essex.
Oct. 1923	*¶ROPER, EDWARD ELLISTON ..	90, Cannon Street, E.C.4.
Oct. 1904	*ROPER, JOHN WILLIAM	90, Cannon Street, E.C.4.
Mar. 1884	ROSE, EDWARD JOSEPH	58, Corn Market Street, Oxford.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6979	Feb. 1913	*¶Rose, Frederic Charles.. ..	2, The Gables, Cirencester Ro Charlton Kings, Cheltenham.
7926	A. Nov.1918	*Rose, Ronald Charles	c/o Mrs. Stradling, Cornwall Hou Newbury, Berks.
8631	Oct. 1921	*¶Rose, Sydney George.. ..	12, Clarendon Gardens, Maida Va W.9.
6842	Oct. 1912	*¶Ross, John	7, Derby Road, Watford, Herts.
8632	Oct. 1921	*¶Rossiter, William Clark ..	110, Rannoch Road, Hammersmi W.6.
8633	Oct. 1921	*¶Rowe, Basil Arthur	51, Eastbrook Road, Portslade Brighton.
9080	Oct. 1922	*¶Rowe, Howard Charles ..	59, Anson Road, Cricklewood, N.W (Middlesex).
9268	Oct. 1923	*¶Rowe, Watson	180 Halifax Road, Hove Ed Lightcliffe, near Halifax.
8071	Oct. 1919	*Rowell, Clifford William ...	10, Whitehall Place, S.W.1.
8634	Oct. 1921	*¶Rowland, Frank Skinner ..	Smithbarn Lane, Horsham.
4785	Oct. 1905	Rowland, Harold Evans ..	The Gatehouse, Russell Hill, Purl Surrey.
9269	Oct. 1923	*¶Rudd, Douglas George Ferris	Fairview, Malcolm Road, Coulsd Surrey.
4517	Oct. 1904	*Rule, Thomas	33, Melling Road, Southport, Lan
5026	Oct. 1906	*Rumsby, Walter Samuel ..	Avenue Chambers, The Square Bournemouth.
8635	Oct. 1921	*¶Runtz, Ernest Munro ..	c/o Messrs. Alfred Savill & Sons, South Audley Street, Grosve Square, W.
8636	Oct. 1921	*¶Ruse, John	Imperial War Graves Commissi Route de Bapaume, Albert, Som France.
4518	A. Oct. 1904 C.F. May '20 A. June1923	*¶Russell, Ernest, Capt., R.E.	80, The Highway, Moulsecomb Brighton.
8637	Oct. 1921	*¶Russell, Ernest William ..	County Agricultural Officer, Sh Hall, Bedford.
8299	Oct. 1920	*¶Russell, Thomas Ramsay ..	Clermiston, Helensburgh, Dumbart shire.
4519	Oct. 1904	*¶Ruthen, Ernest Sidney ..	33, Great James Street, Bedford R W.C.
6844	Oct. 1912	*Rutherford, Alexander Kirkwood	Dalton Vicarage, Rathubarn, Yo
6845	Oct. 1912	*¶Rutherford, John Seymour ..	Carnarvon Estate Office, Bingh Nottingham.
3587	Oct. 1899	*Rutter, Arthur Lionel, M.A. (*Cantab.*)	63, Sidney Street, Cambridge.
8638	Oct. 1921	*¶Rutter, John Gibson	Londesborough Lodge, Worcest Park, Surrey.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Feb. 1912	*Ryan, Bernal John, Capt., M.C.. .	c/o Messrs. Lloyds Bank, Ltd. Bombay.
Oct. 1909	*¶Rylatt, Walter Puckering, A.R.I.B.A.	The Crescent, Hathersage, Derbyshire.
Oct. 1921	*¶Sage, Ernest Derrett ..	The Grange, Usk, Mon.
Oct. 1897	*St. Aubyn, Belville Molesworth, B.A. (*Oxon.*)	Hamble Bank, Warsash, Hants.
Oct. 1893	*Sale, Arthur Reed	Custom and Excise Office, East London, South Africa.
Oct. 1921	*¶Salmon, Douglas John ..	c/o C. Lovegrove, 58, London Road, Portsmouth.
Oct. 1907	*Salter, William Eric	Attleborough, Norfolk.
Oct. 1903	*¶Salwey, Arthur	29 & 31, Hatfield Road, St. Alban's, Herts.
Nov. 1916	*¶Samuel, Ronald Astley ..	Tanyrallt, Eaton Grove, Swansea, Glam.
Oct. 1922	*¶Sanders, Charles Fletcher	Principality Buildings, Queen Street, Cardiff.
Oct. 1917	*¶Sanders, Denis Charles William	East Farndon Hall, Market Harborough.
Oct. 1921	*¶Satchell, John Gerard Douglas	The Station Approach, Letchworth, Herts.
Oct. 1907	*Saunders, Edward Youngs ..	Borough Surveyor's Office, Barnstaple.
Oct. 1910	*Saunders, Leslie	1, Carteret Street, Westminster, S.W.1.
Oct. 1921	*¶Savage, Richard Bruce ..	Clifton House, Whaley Bridge, Derbyshire.
Oct. 1903	*Savage, Tom Albert..	36, Moston Road, Middleton Junction, Manchester.
Oct. 1922	*¶Savill, Alfred Cecil	7, Birchin Lane, E.C.3.
Nov. 1918	*¶Savill, Edwin Lydall (*Secretary of Junior Meetings*)	51, Lincoln's Inn Fields, W.C.2.
Oct. 1920	*¶Savill, Eric Humphrey ..	51, Lincoln's Inn Fields, W.C.2.
Nov. 1918	*§ Sawbridge, Daniel	Kensington House, Wigan Lane, Wigan.
Nov. 1918	*¶Sawyers, Sydney Milton ..	5-7, Grafton Street, Byker, Newcastle on-Tyne.
Oct. 1921	*¶Saxon, Frederick Charles	Cathedral Chambers, S. Werburgh Street, Chester.
Oct. 1909	*¶Scales, Arthur Alfred	53, Morley Road, East Twickenham.
Oct. 1920	*¶Scanlan, William Henry ..	42, Henley Road, Ilford, Essex.
Oct. 1908	*¶Scantlebury, William Seth ..	78, Inchmery Road, Catford, S.E.6.
Oct. 1921	*¶Scarsbrook, Reginald George	Surveyors' Estate Office, 164, Westbourne Terrace, Paddington, W.2.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address
5267	Oct. 1907	*¶SCEATS, DOUGLAS BRIANT.. ..	2A, Devonshire Square, Bexhi Sea.
6046	Oct. 1910	*¶SCHILLING, JOHN FRANCIS.. ..	3, The Broadway, Weybrid Surrey.
9083	Oct. 1922	*¶SCHOFIELD, HAROLD FRANCIS	1, Stow Park Crescent, New Mon.
8645	Oct. 1921	*¶SCHOFIELD, RILEY	c/o Engineer and Surveyor's C Broadway House, Mitcham, Su
5268	Oct. 1907	*¶SCHOLES, JOHN GREAVES	Bank Head, Bamber Bridge, L
2712	Oct. 1894	*SCORER, ALFRED GEORGE	Hillcrest, Chilworth, Guildford.
8646	Oct. 1921	*¶SCOTT, ALBERT CLARKE.. ..	c/o E. A. Shaw, Esq., 3, Broad C Bow Street, W.C.2.
4523	Oct. 1904	*SCOTT, JAMES COSPATRICK	Broomlands, Kelso, Roxburgh.
5534	Oct. 1908	*SCOTT, JOHN HENRY	229, Westmorland Road, Newc on-Tyne.
9084	Oct. 1922	*¶SCOTT, LESLIE THOMAS BAZELL	12, Woodstock Road, Poplar,
9085	Oct. 1922	*¶SCOTT, MATTHEW GARDNER ..	3, Elliot Drive, Giffnock, Ren shire, N.B.
6849	Oct. 1912	*SCOTT, WILLIAM EASTON	170, Fosse Road South, Leicest
5270	Oct. 1907	*SCRIVEN, JOHN PEARCE	City Surveyor's Office, Guildhall
9086	Oct. 1922	*¶SCROGGS. JOSEPH HERBERT ..	c/o Boniwell & Co., 1, The Pa Claygate, Surrey.
7366	Oct. 1913	*SCRUTTON, FRANK SEYMOUR ..	Highfield Cottage, Western I Lymington, Hants.
8647	Oct. 1921	*¶SCURFIELD, ROBERT	Town Hall Chambers, Guildford.
8302	Oct. 1920	*SEABROOK, ERNEST CARDEN	21, Hilldrop Crescent, Camden I N.7.
4793	Oct. 1905	*SEAGO, RALPH WOLLASTON ..	Custom House Buildings, Lowe Suffolk.
4256	Oct. 1903	*SEALE, PERCY JAMES	485, California Street, San Fran
8073	Oct. 1919	*¶SEARLE, GILBERT ODELL.. ..	Glenmore House, Lambeg, Lis Ireland.
6850	Oct. 1912	*¶SEATON, THOMAS HARDMAN ..	16, Reed Pond Walk, Gidea Essex.
6369	Oct. 1911	*¶SEDGWICK, ERNEST	12, Waterloo Place, Sunderland Durham.
2468	Nov. 1891	*SEDGWICK, RUPERT WILLIAM ..	Elnothington, Hollingbourne, Ke
9087	Oct. 1922	*¶SEEL, RALPH CECIL	75, St. Mary Street, Cardiff.
8303	Oct. 1920	*¶SEEL, ROBERT AMYAS	75, St. Mary Street, Cardiff.
1234	Dec. 1884	*§SELBY, JOHN BASELEY	Atherton Hall, Leigh, near Manch
3733	Oct. 1900	*SELLER, FRANK RUSSELL.. ..	Hamilton House, Victoria Embank E.C.
8648	Oct. 1921	*¶SEVERS, CHARLES COCHRANE	Murro Velho, Villa Nova de Minaes Geraes, Brazil, S. Am
7367	Oct. 1913	*¶§SEXTON, GEORGE WILLIAM FRANCIS	Rosemount, Christchurch A Brondesbury Park, N.W. (M sex)

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1904	*Sharma, Lakshmi Chand ..	Deputy Director of Agriculture, Eastern Circle, U.P., Partabgarh (Oudh), India.
Oct. 1913	*Sharp, William Alfred	102, Bishop's Mansions, Fulham, S.W.
Oct. 1913	*Sharpe, Henry Ernest	236, Osmaston Road, Derby.
Oct. 1908	*¶Sharpless, Arthur	35, Chester Road, Wanstead, E.11 (Essex).
Dec. 1887	*Shaw, Arthur	Ramsden Estate Offices, Railway Street, Huddersfield, Yorkshire.
Oct. 1921	*¶Shaw, Ernest..	Borough Surveyor's Department, Town Hall, Stockport.
Oct. 1908	*Shaw, Frederick John	Westgate Chambers, Newport, Mon.
Oct. 1922	*¶Shaw, Leonard	Thorncliffe, Staincliffe, Batley, Yorks.
Oct. 1913	*Shaw, Robert William	5, Dapdune Crescent, Guildford, Surrey.
Oct. 1908	*Shearburn, William Ivery ..	Culverton Lodge, Dorking, Surrey.
Oct. 1897	*Shearer, James Hughan, A.R.I.B.A.	1, Bigwood Road, Golders Green, N.W.11 (Middlesex).
Oct. 1911	*¶Sheath, Albert George	389, Holdenhurst Road, Bournemouth, Hants.
Oct. 1910	*Shedden, Edward Claude ..	c/o Messrs. David & David, 11, Cathedral Road, Cardiff.
Oct. 1921	*¶Shelbourn, Philip Clive ..	South Parade, Melton Mowbray, Leicestershire.
Oct. 1915	*¶Sheldon, Frederick Charles	7a, King Edward Street, Macclesfield, Cheshire.
Oct. 1898	*¶Sheldon, Harold	Alderley Edge, Cheshire.
Oct. 1912	*¶Shelley, William Lincoln ..	28, Beatrice Road, Finsbury Park, N. (Middlesex).
Oct. 1922	*¶Shepherd, George Valentine William	18, Bryngwyn Road, Newport, Mon.
Oct. 1913	*Shepherd, John Linn	35, Lang Street, Dundee.
Oct. 1906	*Sheppard, John Mortimer ..	39, Bloomsbury Square, W.C.
Oct. 1921	*¶Sheridan, William	9, Roe Street, Cliftonville, Belfast.
Feb. 1909	*¶Sherwin, Cyril Joseph	94, North Side, Wandsworth Common, S.W.
Oct. 1920	*¶Sherwin, James Austin ..	Oficina Via y Obras, F.C.C.A., Cordoba, Argentine.
Nov. 1918	*¶Sherwin, Samuel William ..	c/o J. H. Lofting, Esq., Hong Kong and Shanghai Bank Buildings, Shanghai, China.
Oct. 1920	*Shimmin, William Alfred ..	22, Victoria Avenue, Douglas, I.O.M.
Oct. 1913	*Shiner, Lawrence Alexander David	Greyshott, Crest Hill Avenue, Grays, Essex.
Oct. 1901	*¶Shipwright, William George, Lic.R.I.B.A.	"Akbar," Albion Road, Broadstairs.
Oct. 1897	*Shorney, Arthur Shepherd..	1, Talfourd Avenue, Reading.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6855	Oct. 1912	*¶SHORTREED, WILLIAM	10, Largo Place, Leith.
9090	Oct. 1922	*¶§SHOTT, CECIL DOUGLAS ..	City Surveyor's Office, Guil E.C.2.
8652	Oct. 1921	*¶SIBBALD, WILLIAM LOGAN ..	75, Langshaw Street, Old Tra Manchester.
5772	Oct. 1909	*¶SICH, PERCY BERTRAM WARDELL	Norfolk House, The Mall, Chiswic (Middlesex).
9091	Oct. 1922	*¶SILVER, GORDON	12, Fortress Road, Kentish T N.W.5.
7374	Oct. 1913	*SIMKIN, ROWLAND IVE	63, North Hill, Colchester, Esse
6857	Oct. 1912	*SIMMONS, GEORGE HERBERT ..	10, High Street, Doncaster, York
9092	Oct. 1922	*¶SIMMONS, VICTOR ALEXANDER	Eastrop Fields, Basingstoke, H
8306	Oct. 1920	*¶SIMONDS, CHARLES CABOURN BANNISTER	c/o Messrs. Boult Son & Mapl Cook Street, Liverpool.
6050	Oct. 1910	*SIMPSON, CHRISTOPHER	c/o Messrs. Holloway Bros. Swanley Junction, Kent.
7617	Oct. 1915	*¶SIMPSON, HARRY TREVOR ..	28, Albany Road, Blackburn, cashire.
8654	Oct. 1921	*¶SIMPSON, JAMES GRANT	City Assessor's Office, 40, Coc Street, Glasgow.
8920	Jan. 1922	SIMPSON, VICTOR H.	3, Duke Street, Adelphi, W.C.2.
8655	Oct. 1921	*¶SINDEN, LESLIE WILLIAM ..	43, Stoke Road, Guildford.
7936	Nov. 1918	*¶SINGLETON, JAMES NEIL	Stocksbridge, near Sheffield.
9270	Oct. 1923	*¶SISSON, GEORGE SENGA WAUGH	86, Seymour Street, Crossm Glasgow.
5775	Oct. 1909	*SKEEN, ERNEST ALEXANDER ..	H.M Office of Works, Storey's S.W.
8308	Oct. 1920	*¶SKEET, NORMAN JOHN	Newlands, Whitehall Road, Tho Heath, Surrey.
4615	Oct. 1905	SKEFFINGTON, THOMAS ASHFORD	230, Milverton Boulevard, Tor Ontario, Canada.
3166	Feb. 1897	*¶SKINGLE, ALFRED CHARLES ..	Queen Street, Bridgwater.
9093	Oct. 1922	*¶SKINNER, CHARLES WILLIAM	87, Mount Pleasant Road, N (Middlesex).
8656	Oct. 1921	*¶SKINNER, ROBERT ELLMAN ..	179, Horninglow Street, Burto Trent.
7377	Oct. 1913	*¶SKINNER, RUSSELL EDWARD ..	209, Upper Wrotham Road, Gr end, Kent.
6859	Oct. 1912	*¶SKIPPER, REGINALD HAYWARD ..	40, Greengate, Stafford.
7378	Oct. 1913	*SKITMORE, THOMAS	Estate Office, Eccleshall, Staffs
6981	Feb. 1913	*SKIDT, ROWLAND COLLEY	Bakarat, Sudan.
4527	Oct. 1904	*SLADDIN, ARNOLD GLADSTONE ..	Hove Edge, Lightcliffe, Yorks.
1050	Jan. 1884	SLADE, ISAAC	The Hey, Claremont Road, West H Cheshire.
4066	Oct. 1902	*SLATER, ARTHUR JAMES	11, St. Ives Mount, Armley, L
8657	Oct. 1921	*¶SLATER, GEOFFREY BRIAN ..	52, Cheapside, E.C.2.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1922	*¶Slater, Gilbert	Mount Cottage, Wolstanton, Staffordshire.
Oct. 1921	*¶Slipper, Reginald Owen ..	Avondale Park, Walmer Road, N. Kensington, W.11.
Oct. 1905	*Smallbone, Henry James ..	Streatley-on-Thames, Berkshire.
Nov. 1916	*¶Smith, Alfred Ernest	3, Vernham Road, Plumstead, S.E.
Oct. 1912	*Smith, Arthur Frederick ..	15, Elm Road, New Malden, Surrey.
Oct. 1902	*¶Smith, Arthur Kitson	116, Judd Street, W.C.
Oct. 1913	*Smith, Charles Herbert ..	3rd Floor, Municipal Buildings. Greenock.
Oct. 1899	*Smith, Douglas..	Brownlow Estate Office, 40, Manthorpe Road, Grantham.
Oct. 1905	*Smith, Edmund George ..	c/o Messrs. Harland & Sons, Barnet, Herts.
Oct. 1913	*Smith, Edwin, A.R.I.B.A.	26, London Road, Neath, S. Wales.
Oct. 1922	*¶Smith, Ernest	Whitfield Estate Office, Allensmore, Hereford.
Oct. 1911	*Smith, Ernest Disraeli	9, Spring Gardens, S.W.
Oct. 1911	*Smith, Ernest Leonard.. ..	East Mount, Sandown, Isle of Wight.
Oct. 1903	*Smith, Frank Hall	Surveyor's Office, Sheringham, Norfolk.
Oct. 1921	*¶Smith, Frederick Sutton ..	8, Ross Parade, Wallington, Surrey.
Oct. 1914	*¶Smith, Geoffrey	78, Parchment Street, Winchester, Hants.
Oct. 1923	*¶Smith, Geoffrey Howard ..	19, Old Square, Lincoln's Inn, W.C.2.
Oct. 1907	*Smith, George Stuart St. John	Ivy House, High Street, Uckfield, Sussex.
Oct. 1913	*Smith, Harold	6, Tennyson Road, Bedford.
Oct. 1907	*Smith, Harold Sankey	Great Sanders Estate Office, Sedlescombe, Sussex.
Oct. 1913	*Smith, Harry	42, Devonshire Street, Keighley, Yorks.
Oct. 1903	*Smith, Harry Vincent	34, Sherborne Gardens, Ealing, W. (Middlesex).
Oct. 1905	*Smith, Herbert Frederick George	Estate Office, Waldershare Park, Dover.
Oct. 1912	*¶Smith, Herbert Gordon.. ..	Sunnyside, Monkseaton, Northumberland.
Oct. 1915	*¶Smith, James Dougan	22, McAllister Avenue, Clarkton, Airdrie, N.B.
Oct. 1906	*Smith, John Edward	Shipley Fields, Frizinghall, Bradford.
Oct. 1907	*Smith, John Harold..	160, High Street, Uxbridge, W. (Middlesex).
Oct. 1922	*¶Smith, John Raymond	Cardington, Grange Road, Sutton, Surrey.
Oct. 1922	*¶Smith, Leonard Drury ..	63, Union Grove, Clapham, S.W.8.
Oct. 1905	*Smith, Percival..	St. Mary's, Minskip, Boroughbridge, Yorks.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8660	Oct. 1921	*¶Smith, Rupert Thomas William	47, Lower Fant Road, Maidst
8075	Oct. 1919	*¶Smith, Victor Charles Compton	2, The Steyne, Worthing, Sussex.
7696	Nov. 1916	*¶Smith, Walter Daniel	3, Castellain Mansions, Maida Val
1905	Nov. 1890	*Snailum, Walter Wadman ..	Church Street and Wingfield R Trowbridge, Wilts.
8309	Oct. 1920	*¶Sneath, Philip George ..	32, Great St. Helen's, E.C.3.
7386	Oct. 1913	*¶Snell, Charles Frederick ..	Municipal Offices, Singapore.
9273	Oct. 1923	*¶Soloman, John Frederick Cother	18, Nottingham Road, Bishops Bristol.
6864	Oct. 1912	*Sorrell, Godfrey Alfred Victor	19, Boston Avenue, Southend-on- Essex.
5034	Oct. 1906	*Sorrell, Harold Valentine..	38, Clarence Street, Southend-on-S
6377	Oct. 1911	*Souray, Edwin Guy	247, West End Lane, Hampst N.W.6.
3267	Oct. 1897	*Southcombe, John Charles ..	Bridge Buildings, Barnstaple, De
7939	Nov. 1918	*¶Southgate, Charles Crouch	Twyford, Berks.
6378	Oct. 1911	*¶Southgate, Frederick John..	11, Acacia Road, Norbury, S.W. (Surrey).
8661	Oct. 1921	*¶Spark, George	16, Bridge Street, Aberdeen.
8662	Oct. 1921	*¶Sparkes, Robert Henry ..	Assembly Auction Rooms, Benfl Essex.
6866	Oct. 1912	*¶Sparks, Fernly George.. ..	Royal Naval Cordite Factory, Ho Heath, near Wareham, Dorset.
9098	Oct. 1922	*¶Sparks, William Henry ..	21, Adamson Road, Swiss Cott N.W.
3495	Feb. 1899	*Speakman, John McClure ..	Quarantine Service, Tor, via Su Egypt.
6867	Oct. 1912	*Speed, Sydney Charles	2, Little Park Gardens, Enfi Middlesex.
9099	Oct. 1922	*¶Spelman, Clement Franklin Rix	17, Bank Plain, Norwich.
5578	Feb. 1909	*Spencer, Aubrey Vere, Major, D.S.O.	Sutton Bridge, Lincolnshire.
4267	Oct. 1903	*Spencer, Francis Augustus	Architect's Department, London Co Council, S.E.1.
9274	Oct. 1923	*¶Spiller, Ernest William ..	5, Chesterford Gardens, Hampste N.W.3.
6379	Oct. 1911	*Spink, James	93A, Sinclair Road, W. Kensing W.14.
6380	Oct. 1911	*Spry, William Murray Straddar	Head Office, P.W.D., George Str Brisbane, Queensland.
3430	Oct. 1898	*Stallard, Harold Orlando ..	Estate Office, Audley End, Saf Walden, Essex.
5036	Oct. 1906	*Stamford, Alfred Arthur ..	23, Lower Green Road, Esher, Sur
8663	Oct. 1921	*Stanford, Frank Erlysman	Council Offices, Dorchester.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1920	*¶Stanham, Alan Francis Gordon	"Heatherley," Copthorne, Crawley, Sussex.
Oct. 1921	*¶Stanham, Hugh Gordon ..	Heatherley, Copthorne, Crawley, Sussex.
Oct. 1908	*Stanier, Thomas Macpherson	Duchy of Cornwall Office, Liskeard, Cornwall.
Oct. 1920	*¶§Staniland, Douglas Lenton	11a, High Street, Doncaster, Yorks.
Oct. 1911	*Stanley, George, a.m.i.c.e. ..	P.W.D., Sierra Leone, W. Africa.
Oct. 1910	*¶Stanley, Gerald	Queen's Chambers, Cardiff.
Oct. 1910	*¶Stanley, Owen Geoffrey, Capt., a.m.i.c.e.	93, Alumhurst Road, Bournemouth West.
Oct. 1921	*¶Stansfield, Hubert Rigg ..	Roche Dene, Alexandra Avenue, Cleveleys, near Blackpool.
Oct. 1908	*Stapleton, George Aubrey ..	44, Chestnut Road, West Norwood, S.E.27.
Oct. 1922	*¶Stark, Duncan	51, Grant Street, Glasgow.
Oct. 1921	*¶Stark, James Tod..	209, Notre Dame Street, St. Lambert, Montreal, Canada.
Oct. 1919	*¶Stearn, Frank	The Garden House, Nowton Court, Bury St. Edmund's, Suffolk.
Oct. 1910	*Stedeford, John Britton ..	189, Selhurst Road, South Norwood, S.E. (Surrey).
Oct. 1901	*Stedman, Charles Frederick..	Nobles Knap, Yeovil, Somerset.
Oct. 1913	*¶Stedman, Ernest Walter ..	Elstree, 10, Marchmont Road, Wallington, Surrey.
Oct. 1904	*Steeds, Herbert Eustace ..	c/o Couchman & Steeds, 75, New Street, Birmingham.
Oct. 1921	*¶Stenholm, Adolph Henning	G. S. D. Whiddington, 61, Berners Street, W.1.
Oct. 1915	*¶Stephen, Duncan Joseph ..	c/o Chas. G. Andrews & Co., 714-8, Pacific Mutual Building, Los Angeles, California, U.S.A.
Oct. 1921	*¶Stephen, John, Jun.	30, Coronation Drive, Blundellsands, Liverpool.
Oct. 1909	*Stephenson, Chambre Corcor Stillington	Corcastle, Innishannon, Co. Cork.
Nov. 1918	*¶Stephenson, John Pickering	c/o R. Pickering, Ashill, Watton, Norfolk.
Oct. 1904	*Stephenson, Robert Barnard	"Waycot," Stafford Road, Lichfield.
Oct. 1913	*Stevens, Alfred George ..	c/o F. Stevens, Esq., 4, Western Buildings, The Praze, Penryn, Cornwall.
Oct. 1921	*¶Stevens, Gilbert Major ..	47, Dumbarton Road, Brixton Hill, S.W.2.
Oct. 1920	*¶Stevens, Herbert Cooper	6, Barn Street, Marlborough, Wilts.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
9101	Oct. 1922	*¶STEVENS, LESLIE ALFRED EMILE	269, Archway Road, Highgate, (Middlesex).
7391	Oct. 1913	*STEVENS, ROLAND HONYEL ..	7, Hobart Place, Grosvenor Gard S.W.1.
6061	Oct. 1910	*¶STEVENSON, ALEXANDER EWING	Blawarthill, Scotstown West, Glas
7477	Feb. 1914	*STEWARD, GEORGE EDWARD ..	Rio Preto S.P.N., Estado de Paulo, Brazil.
8670	Oct. 1921	*¶STEWART, ALASTAIR MACDONALD	Dunclutha. Dalmuir, Dumbarton
6872	Oct. 1912	*¶STEWART, ALEXANDER WYPER..	18, Bruntsfield Avenue, Edinbur
8671	Oct. 1921	*¶STEWART, CUTHBERT BERTRAM	29, Stanhope Road, Darlington.
6874	Oct. 1912	*¶STEWART, NEIL	3, Gourie Place, Perth Road, Dur
8813	Oct. 1920	*¶STEWART, THEOPHILE LECOMPTE	18, Vaughan Street, Llanelly, S. W
7393	Oct. 1913	*¶STEWART, WILLIAM HINTON ..	Cliff Cottage, Barton-on-Sea, H
8077	Oct. 1919	*¶STICKLAND, ALBERT EDWARD..	1, Mill View, Mill Lane, Chad Heath, Essex.
7394	Oct. 1913	*¶STILES, ARTHUR	141, Moorgate, E.C.2.
5281	Oct. 1907	*¶STILES, HERBERT	20, Temple Sheen Road, East S S.W. (Surrey).
4807	Oct. 1905	*¶STIMSON, DOUGLAS CECIL	52, Brixton Hill, S.W.
3630	Feb. 1900	*¶STIMSON, EDWARD FREDERICK	12, Hillbury Road, Tooting Common, S.W.17.
3270	Oct. 1897	*¶STIMSON, HERBERT PERCY ..	12, New Kent Road, S.E.
3737	Oct. 1900	*STOCKINGS, ARTHUR PERRY, MAJOR, C.B.E.	280-282, Dashwood House, 9, Broad Street, E.C.2.
6382	Oct. 1911	*STOKES, EDGAR EDWARD	Loughborough, Morton-in-Mars Glos.
7941	Nov. 1918	*STONE, GEORGE SARBATT NOKE	147, Holborn, E.C.1.
7395	Oct. 1913	*¶STONE, LEONARD VICTOR	Broadway House, Bromley, Ke
9275	Oct. 1923	*¶STONES, CHARLES EDGAR ..	88, Regent's Park Road, N.W.1
5783	Oct. 1909	*STOPHER, GEORGE	Corbiere, Maurice Road, King's H Birmingham.
8672	Oct. 1921	*STOTT, CHARLES GRANVILLE ..	12, Dorlcote Road, Wandsw Common, S.W.18.
6063	Oct. 1910	*¶STOTT, HERBERT WHARTON ..	9, Bay Hall, Huddersfield.
6065	Oct. 1910	*¶STRATTON, PHILIP	21, Walton Street, Aylesbury, B
9102	Oct. 1922	*¶STREATHER, REGINALD	Elm Lodge, Shirehall Lane, He N.W.4 (Middlesex).
9103	Oct. 1922	*¶STREDDER, CECIL ALFRED EDWARD	111, Jermyn Street, St. James's, S
5284	Oct. 1907	*STRIDE, WALTER OSBORN	Messrs. Stride and Son, 63, Street, Chichester.
8673	Oct. 1921	*¶STRINGER, RHODES	15, Elsdon Road, Gosforth, castle-on-Tyne.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address
Oct. 1910	*¶STROUD, ALBERT WILLIAM.. ..	H.M.O.W. Storey's Gate, S.W.1.
Oct. 1900	*¶STRUDWICK, FRANK EDWARD ..	12, Freelands Road, Bromley, Kent.
Oct. 1903	*¶STRUDWICK, PHILIP	14, Croft Villas, Green Lane, New Eltham, Kent.
Oct. 1903	*¶STRUTT, JOHN JAMES	Whitelands, Witham, Essex.
Oct. 1920	*¶STUART, CHARLES FRASER ..	Office of H.M. Inspector of Taxes, 1st District, 31, Bank Street, Dundee.
Oct. 1896	*STUBBING, RICHARD WEBB ..	14, Queen Anne's Gardens, Bush Hill Park, Enfield.
Oct. 1910	*STUBINGTON, ROBERT ALAN ..	Survey Office, Kuala Lumpur, F.M.S.
Feb. 1889	*STUCKE, WILLIAM HENRY, A.R.I.B.A.	P.O. Box 2271, Johannesburg, B.S.A.
Jan. 1886	*STURGESS, JOHN MOORE	Penshurst Park, near Tonbridge, Kent.
Oct. 1905	*STURT, LESLIE	Highgate Station (G.N.R.), N. (Middlesex), and 61, High Street, Highgate, N.6.
Oct. 1920	*¶SUCKLING, WALTER SCOFIELD	96, Wake Green Road, Moseley, Birmingham.
Oct. 1909	*SUGDEN, ALBERT JOWETT	Ingleroyd, Bradford Road, Wakefield.
Oct. 1922	*¶SUMMERFIELD, JOHN WILLIAM	43, Arnold Street, Princes Road, Liverpool.
Oct. 1921	*¶SUMMERS, JAMES WILLIAM ..	10, Neville Street, Newcastle-on-Tyne.
Oct. 1906	*SUNDERLAND, AMOS	113, Sydenham Road North, Croydon.
Oct. 1901	*SURREY, CHRISTOPHER WILLIAM	22, Buckingham Gate, S.W.1.
Oct. 1921	*¶SUTHERLAND, ALEXANDER ..	73, Mosspark Oval, Mosspark, Glasgow.
Feb. 1906	*SUTTON, CECIL N. STAFFORD, CAPT., M.B.E.	Estate Office, Brockenhurst, Hampshire.
Oct. 1923	*¶SUTTON, PHILIP ROWLEY ..	Cranford, Bramhall Park, Cheadle Hulme, Cheshire.
Oct. 1898	*SWAN, HARROLD	18, Wandle Road, Upper Tooting, S.W.
Jan. 1922	SWINSTEAD, BERNARD RALPH	329, Trinity Road, Wandsworth, S.W.18.
Oct. 1911	*SYKES, CYRIL	Pound Land, Shamley Green, Guildford.
Nov. 1918	*¶§SYMES, ALFRED GEORGE ..	Ashton, Cecil Park, Pinner, Middlesex.
Oct. 1905	*¶SYMES, JAMES GORDON	S.E. Railway, Estate Dept., Tooley Street, London Bridge Station, S.E.
Oct. 1922	*¶SYMONDS, REGINALD ERNEST	1B, King Street, St. James's Square, S.W.1.
Oct. 1911	*SYMONS, CECIL FREDERICK ..	Devonia, North Town, Ashby-de-la-Zouch.

¶ Special Rating Diploma.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7399	Oct. 1913	*Tack, Arthur William	27, Midland Terrace, East Ave Keighley, Yorkshire.
5817	Nov. 1909	*Tait, John Wilson	34, St. Andrew Square, Edinburg
5286	Oct. 1907	*Talbot-Ponsonby, Arthur Hugh Brabazon	17, Victoria Street, S.W.
5041	Oct. 1906	*¶Tallon, Joseph Francis.. ..	1, Bold Square, Chester.
8676	Oct. 1921	*¶Tandy, Alfred Henry ..	The Briers, Southville Road, Tha Ditton, Surrey.
3903	Oct. 1901	*Tanner, William Hugh ..	3, Hanover Square, W.1.
4540	Oct. 1904	*Tate, Henry Tindall	County Hall, Beverley, Yorkshire.
5288	Oct. 1907	*Taylor, Alfred Moulton ..	21, Church Hill, Leamington, Warw shire.
6070	Oct. 1910	*¶Taylor, Arthur Brassey ..	74, Foxley Lane, Purley, Surrey.
8677	Oct. 1921	*¶Taylor, Cecil George ..	Westcroft, Westhall Road, Warl ham, Surrey.
9106	Oct. 1922	*¶Taylor, Ernest Frederick Noel	1, Seabank Terrace, Dollymo Dublin, Ireland.
9277	Oct. 1923	*¶Taylor, Frank Edward ..	57, Aden Grove, Stoke Newing N.16.
5546	Oct. 1908	*Taylor, George Arthur.. ..	Surveyor's Office, Swadlincote U. Swadlincote, nr. Burton-on-Tr
8078	Oct. 1919	*¶Taylor, George Austen.. ..	County Hall, Lewes.
7401	Oct. 1913	*Taylor, George Scarborough	Buntingford, Herts.
5790	Oct. 1909	*¶Taylor, Harold Tom	15, Windsor Tee, Uplands, Swans
9278	Oct. 1923	*¶Taylor, James Gilbert ..	Castledene, Newport Road, Staf
3274	Oct. 1897	*Taylor, John Francis White..	3, Lincoln's Inn Fields, W.C.
6879	Oct. 1912	*Taylor, John Howarth	Bridgewater Offices, Walkden, M chester.
7947	Nov. 1918	*¶Taylor, Leonard Joe	82, Birmingham Road, Rowley R near Birmingham.
3904	Oct. 1901	*Taylor, Russell Leigh	The Cottage, Maiden Bradley, Ba
3905	Oct. 1901	*Taylor, Samuel Davis	Priory Bank, Monmouth.
6073	Oct. 1910	*¶Taylor, Walter Floyd	95, Whitworth Road, S. Norw Surrey.
8922	Jan. 1922	Taylor, Walter H.	59, Elspeth Road, Clapham Com S.W.4.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1905	*¶TAYLOR, WILLIAM GRAHAM ..	59, Lynton Road, Springfield Park, Acton (Middlesex).
Oct. 1913	*TAYLOR, WILLIAM KENNETH WENTWORTH	Engineer's and Surveyor's Department, Urban District Council, Willesden (Middlesex).
Oct. 1913	*¶TAYLOR, WILLIAM THOMAS PERCY	25, Third Avenue, Kidsgrove, Stoke-on-Trent.
Oct. 1923	*¶TEASDALE, GEORGE NICHOLAS	18, Vicarage Street, North Shields.
Oct. 1905	*TEASDALE, GEORGE WILLIAM ..	Surveyors' Department, Guildhall, Swansea.
Oct. 1923	*¶TEASDALE, THOMAS MOFFATT	Quantity Surveyor's Dept., County Hall, Wakefield.
Oct. 1912	*¶TEBBIT, CHARLES LEONARD ..	Braintris, Hatfield, Broad Oak, Harlow, Essex.
Oct. 1904	*TEMPLE, ALFRED	41, High Street, Southend-on-Sea, Essex.
Oct. 1911	*TEMPLETON, STANLEY JAMES ..	56, Criffel Avenue, Streatham Hill, S.W.2.
Oct. 1899	*¶TERRY, FRANCIS WILLIAM.. ..	Low Royd, St. Olave's Road, York.
Oct. 1922	*¶TERRY, HOWARD VIVIAN ..	Mickle Cottage, Mickle Trafford, Chester.
Oct. 1921	*¶TEW, THOMAS	The Square, Norton Canes, nr. Cannock, Staffs.
Oct. 1920	*¶THAIN, ARTHUR ROBERT ..	Melbourn Villa, Morton Street, Royston, Herts.
Oct. 1910	*¶THAKE, ROBERT FREDERICK WILLIAM	Old Rectory Chambers, 2, Northbrook Street, Newbury, Berks.
Feb. 1913	*THATCHER, IVAN JAMES	Resident Engineer's Office, Tilbury Docks, Essex.
Oct. 1913	*¶THAYER, JOHN DIAMOND	1, Harringay Avenue, Liverpool.
Feb. 1911	*¶THOBURN, HUGH FORSYTH ..	Kent House Estate Offices, Kent House, Beckenham.
Feb. 1913	*¶THOMAS, ALFRED CHRISTOPHER LLEWELLYN	Allen's Cottage, Hunton, near Maidstone.
Feb. 1906	THOMAS, ALFRED WILLIAM ..	Director of Works Department, Admiralty, S.W.
Oct. 1905	*THOMAS, ARTHUR JOHN	Eastfield, St. Thomas, Swansea.
Oct. 1922	*¶THOMAS, EDWARD ANGUS ..	Rosedale, Nelson, near Cardiff.
Oct. 1903	*THOMAS, ERNEST JAMES	30, Landport Terrace, Portsmouth.
Oct. 1910	*THOMAS, FREDERICK CHARLES ..	Stanford, Churchfields, Woodford, Essex.
Oct. 1909	*¶THOMAS, JAMES HUGH TREMAYNE	7. Woodville Road, Ealing, W; (Middlesex).

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
4081	Oct. 1902	*THOMAS, PERCIVAL HARTLAND..	10, St. John Street, Bristol.
6883	Oct. 1912	*THOMAS, THOMAS DAVID	Crawshaw Villa, Ton Pentre, Gla
8679	Oct. 1921	*THOMAS, WILLIAM JOHN ..	12, Glyncoli Road, Treorchy, Gla
6884	Oct. 1912	*THOMAS, WILLIAM REGINALD ..	222, Great Dover Street, S.E.1.
5291	Oct. 1907	*THOMPSON, ALFRED ALEXANDER	Trym, Putney Heath Lane, Putn S.W.
6078	Oct. 1910	*THOMPSON, ARNOLD JOHN.. ..	12, Ballygunge Store Road, Calcu India.
6885	Oct. 1912	*¶THOMPSON, ARTHUR TAYLOR ..	Fairhaven, Albert Road West Heaton, Bolton, Lancs.
2720	Oct. 1894	*THOMPSON, CLAUDE WILLIAM GEORGE HUGH	Estate Office, Escrick, York.
2611	Oct. 1893	*THOMPSON, FREDERICK HUBERT	20, Corn Market, Derby.
5292	Oct. 1907	*THOMPSON, FREDERICK WILLIAM	39, Cato Road, Clapham, S.W.4.
8680	Oct. 1921	*THOMPSON HENRY CLARENCE	77, St. George's Avenue, Tuf Park, N.7.
4278	Oct. 1903	*‡THOMPSON, JOHN CLULOW.. ..	Smeeton House, Smeeton, Leices
2721	Oct. 1894	*THOMPSON, JOSEPH ATHERDEN..	8, Southampton Street, Bloomsb Square, W.C.1.
5547	Oct. 1908	*THOMPSON, NEWTON DUKINFIELD	Breezes, Tylehurst, Reading.
2735	Mar. 1895	*¶THOMPSON, ROLAND O'BRIEN ..	Messrs. J. Rider, Hunt and Bridge House, 181, Queen Vict Street, E.C.
7623	Oct. 1915	*¶THOMPSON, THOMAS, JUN... ..	Red House, Methley, near Leeds.
5044	Oct. 1906	*THOMPSON, THOMAS ERRINGTON	Estate Office, Swarcliffe, Birstwith, Leeds.
9109	Oct. 1922	*¶THOMPSON, WILLIAM HENRY HARCOURT	10, Alder Road, Moseley, Birmingl
8317	Oct. 1920	*THOMSON, COLIN THOMAS ..	15, Wellington Street, Edinburgh
6887	Oct. 1912	*¶THOMSON, DAVID..	County Court Buildings, Elvet Wa side, Durham.
4543	Oct. 1904	*THOMSON, HERBERT D... ..	7, Warwick Court, High Holb W.C.1.
6889	Oct. 1912	*THOMSON, JAMES BLACK, A.M.I.C.E.	Town Hall, Southall, Middlesex.
8681	Oct. 1921	*¶THORBURN, JAMES	18, Brandon Street, Motherwell.
6079	Oct. 1910	*THORNLEY, HAROLD VICTOR ..	77, Emmanuel Road, Balham, S.W
9281	Oct. 1923	*¶THORNTON, SAMUEL WEST ..	38, Cherryfield Avenue, Ranel Dublin.
6395	Oct. 1911	*THORPE, ARTHUR RALPH	5, Peckham Road, Camberwell,
7410	Oct. 1913	*THORPE, RAYMOND WILLIAM ..	46, Western Road, Hove.
7949	Nov. 1918	*¶THORPE, WILLIAM FREDERICK	Engineers Dept., Town Hall, Hend N.W.4. (Middlesex).
8682	Oct. 1921	*¶TICKLE, RONALD GLENN ..	63, Lavender Sweep, S.W.11.
7624	Oct. 1915	*¶TIDDY, DAVID GEORGE REGINALD..	Assistant Surveyor's Office, Bodm Cornwall.

‡ Special Forestry Diploma.

Date of election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1902	*Tidey, Herbert Gordon.. ..	3, Pentonville Road, Islington, N.
Oct. 1906	*¶Tidmarsh, Charles Baillie ..	L. & N.E.Rly., District Estate Office, 12, Paton Street, Piccadilly, Manchester.
Oct. 1913	*¶Tiffen, Thomas William ..	1, The Crescent, Carlisle.
Oct. 1921	*¶Timbs, Arthur Claude ..	36, Finstock Road, W.10.
Oct. 1915	*¶Titchmarsh, Stanley Ray ..	63, St. Mildred's Road, Lee, S.E.
Oct. 1901	*Titterton, Sydney George Penn	Strand Estate Office, Southchurch Road, Southend-on-Sea, Essex.
Oct. 1905	*Tivendale, Thomas	Highgate Station, G.N.R., N. (Middlesex), and 61, High Street, Highgate, N.6. (N.W.)
Oct. 1904	*¶Tobias, Maurice..	Architect's Dept., L.C.C. New County Hall, S.E.1.
Oct. 1922	*¶Todd, George Wilfred Addison	c/o Messrs. Todd & Thorp, Land of Green Ginger, Hull.
Oct. 1904	*¶Toley, Ernest Albert	Horsenden Farm, Sudbury, Harrow.
Oct. 1911	*¶Toley, Frank	154, Uxbridge Road, Hanwell, W. (Middlesex).
Oct. 1913	*¶Toll, Stanley	69, Calcott Road, Brondesbury, N.W. (Middlesex).
Oct. 1923	*¶Tollett, George William ..	Finsbury House, Blomfield Street, E.C.2.
Oct. 1922	*¶Tombs, Leonard Elliott ..	81 & 83, Edgware Road, W.2.
Jan. 1922	¶Tomkins, Hugh Charles ..	47, St. John's Park, N.19.
Oct. 1906	*Tomkins, Samuel Edward ..	47, St. John's Park, N.19.
Oct. 1923	*¶Tomkys, Harold	6 Drummond Street, Wolverhampton.
Oct. 1920	*¶Tomlinson, Fred	Station Road, Brimington, Chesterfield.
Oct. 1923	*¶Tompkins, Lionel Ernest ..	Woodlands, Chelsfield, Kent.
Oct. 1911	*¶Tong, Frederick Norman ..	44, Church Road, Smithills, Bolton, Lancs.
Oct. 1920	*¶Toovey, James Rowland ..	19, Cecil Road, Wealdstone, Middlesex.
Oct. 1896	*Town, Henry Annandale ..	25, St. George's Terrace, Jesmond, Newcastle-on-Tyne, and 5, Market Street, Newcastle-on-Tyne.
Oct. 1900	*Townly, Ronald Starkey ..	Rosebank, Downs Court Road, Purley, Surrey.
Feb. 1913	*Townsend, Cecil Philip	Rosemead, Bath Road, Maidenhead, Berks.
Oct. 1907	*Townsend, Edward Aldridge	10, River Front, Enfield.
Oct. 1911	*¶Tracy, Bernard David, A.R.I.B.A.	Limoilou, Croxley Green, S.O., Herts.
Oct. 1922	*¶Tregear, Reginald William	6, London Road, Bognor.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7413	Oct. 1913	*Trench, Waldo Talbot	Grove Hill, Falmouth, Cornwall.
8321	Oct. 1920	*Trestain, Albert Edward	18, Whitecross Road, Weston-sup Mare, Somerset.
8684	Oct. 1921	*¶Trigg, Robert	15, North Street, Bishop Stortfo Herts.
7626	Oct. 1915	*¶Trinder, William Merrick ..	44, Claremont Road, Teddingto Middlesex.
6081	Oct. 1910	*¶Trollope, Robert John	25, Mount Street, W.
6897	Oct. 1912	*Trotter, Gerard	Messrs. Sworder, Knight & Trott Epping.
9285	Oct. 1923	*¶Trumper, Richard William	27, Blakesley Avenue, Ealing, W (Middlesex).
9113	Oct. 1922	*¶Tucker, Frederick George..	Bunumba, via Segbwema, Sie Leone, W. Africa.
4551	Oct. 1904	*Turnbull, Robert Ernest ..	Wilton Estate Office, Salisbury.
6401	Oct. 1911	*Turner, Alexander Wakefield	Highfield House, Guildford, Surrey
7415	Oct. 1913	*Turner, Douglas Warner ..	Langwith Lodge, Mansfield, Notti hamshire.
3278	Oct. 1897	*Turner, Drysdale	82, Ruskin Chambers, 191, Corpo tion Street, Birmingham.
4819	Oct. 1905	*Turner, Henry Charles Pettit	204, Croydon Road, Anerley, S (Surrey).
3279	Oct. 1897	*Turner, Herbert	49, Deansgate, Manchester.
5796	Oct. 1909	*Turner, Joscelin Maitland	British Legation, Copenhagen, D mark.
9114	Oct. 1922	*¶Turner, Richard Henry ..	High Street, Bracknell, Berks.
3746	Oct. 1900	*Turner, Vincent	Town Hall, Rotherham.
6402	Oct. 1911	*Turner, Wilfrid Archer ..	Union Chambers, Ashton-under Lyne, Lancs.
8686	Oct. 1921	*¶Turns, Leslie Walter ..	92, Upper Tollington Park, F bury Park, N.4 (Middlesex).
8322	Oct. 1920	*¶Turvill, Oscar Frederick	2, Frame Villas, Petersham Ro Ham Common, Surrey.
8323	Oct. 1920	*¶Tydeman, Arthur Edgar ..	15, Lansdowne Gardens, S.W.8.
2612	Oct. 1893	*¶Tyler, William Bott	Estate Department, L. and. N. W. Euston Station, N.W.
8687	Oct. 1921	*¶Tyrer, John Morgan Howard	54, Highbury Hill, N.5.

ip. lo.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
68	May 1884	UDNY, AUGUSTUS CHARLES	142, Springfield Road, Brighton.
98	Oct. 1907	*ULLYETT, LESLIE GEORGE STANTON	c/o Messrs. Patching & Co. (opposit Station), Worthing, Sussex.
20	Oct. 1905	*¶UPTON, THOMAS HERBERT	Estate Office, Burton Park, Petworth Sussex.
24	Oct. 1920	*¶USHER, WILLIAM ARTHUR ..	c/o City Engineer's Dept., Bloemfon tein, S. Africa.
88	Oct. 1921	*¶USHERWOOD, JAMES, JUN. .	2, Blythswood Drive, Glasgow.
24	Jan. 1922	VALE, THOMAS ARTHUR	16, Darlington Street, Wolver- hampton.
25	Oct. 1920	*¶VALLANCE, DAVID	17, Dalnair Street, Yorkhill, Glasgow
85	Oct. 1910	*VANSTONE, FREDERICK WILLIAM ELLIOTT	Council Offices, Windermere, West morland.
15	Oct. 1922	*¶VAUGHAN, WILLIAM REDVERS	9, Greencroft Gardens, Hampstead N.W.6.
20	Oct. 1913	*¶VEAL, WILFRED HENRY	174, Showell Green Road, Sparkhil Birmingham.
89	Oct. 1921	*¶VICKERY, RAYMOND MILTON..	The Estate Office, Bournville, Bir mingham.
86	Oct. 1923	*¶VILLAR, ARTHUR WILLIAM ..	Tauntfield House, Taunton, Somerse
05	Oct. 1911	*¶VILLAR, PHILIP LOVIBOND.. ..	Tauntfield House, Taunton, Somerset
10	Oct. 1901	*VINCE, CLEMENT HARWOOD ..	Survey Department, Colombo, Ceylon
99	Oct. 1909	*VINCE, FREDERIC HAROLD.. ..	3, Platts Avenue, Watford, Herts.
06	Oct. 1911	*¶VINT, JAMES HENRY WHITE ..	111, Valkyrie Road, Westcliff-on-Sea Essex.
21	Oct. 1913	*VINTER, PAMPLIN MAULDIN ..	5, High Road, Wood Green, N. (Middlesex).
54	Oct. 1904	*VOISEY, PERCY DEERING	Casilla, 455, Antofagasta, Chili.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6985	Feb. 1913	*¶WADDELL, GAVIN	1, Arden, Street, Edinburgh.
6407	Oct. 1911	*WADDINGTON, WILLIAM	55, Nelson Road, Highams Park, E. (Essex).
1464	Feb. 1888	*WADE, HENRY	10, Pitt Street, Barnsley, Yorkshire.
7955	Nov. 1918	*WADE, WILLIAM BERTRAM ..	The Hawthorns, Garforth, near Leed
5299	Oct. 1907	*WADMAN, ALBERT JOHN ..	P.O. Box 541, Salisbury, Rhodesia
5800	Oct. 1909	*¶WADSLEY, MICHAEL JAMES ..	27, Dover Street, Hull.
5300	Oct. 1907	*WADSWORTH, JAMES MOFFATT..	7, Crabtree Lane, Harpenden, Herts.
7423	Oct. 1913	*WAGGETT, CYRIL FREDERICK WILLIAM	40, Addison Gardens, W.14.
8326	Oct. 1920	*WAITE, GEORGE DAWSON ..	Lacton, Linden Avenue, Darlington
9287	Oct. 1923	*¶WALCH, WILLIAM	Dacre Cottage, Graham Street, Pen rith.
6420	Oct. 1911	*¶WALFORD, SIDNEY THOMAS ..	c/o Young & Gilling, Promenad Cheltenham, Glos.
8089	Oct. 1910	*¶WALKER, CYRIL HERBERT.. ..	138, Ash Road, Headingley, Leed
9288	Oct. 1923	*¶WALKER, GEORGE NORMAN ..	c/o L.M. & S.Rly., Divisional Lan and Estate Office, 5, Euston Grov N.W.1.
7956	Nov. 1918	*WALKER, IRWIN	19, Myddleton Street, Carlisle.
6907	Oct. 1912	*WALKER, JAMES CHALMERS ..	16, Panmuir Road, Cottenham Par S.W. (Surrey).
5801	Oct. 1909	*WALKER, JOHN WILLIS	Bryn-onen, Castleton Avenue, Gard Village, Treherbert, Glam.
9289	Oct. 1923	*¶WALKER, RONALD SYDNEY ..	Plas Gwyn, Gerrards Cross, Bucks.
6408	Oct. 1911	*WALKER, VINCENT STANLEY ..	The Mart, Albion Place, Leeds, an West Royd, Outwood Lane, Hor forth, Yorks.
7427	Oct. 1913	*¶WALKER, WILLIAM ALBERT, A.M.I.C.E.	Borough Engineer's Office, Tow Hall, Salford.
4287	Oct. 1903	*¶WALL, IRVING	Ivydene, New North Road, Hudder field, Yorkshire.
4556	Oct. 1904	*WALLER, BERTRAM HANNEN ..	17, Above Bar, Southampton.
9290	Oct. 1923	*¶WALLER, FREDERICK NAUNTON	17, Westfield Road, Beckenham, Ke
7428	Oct. 1913	*¶WALLIS, AUSTIN SERJEANT ..	Town Hall, St. Marylebone, N.W.
9116	Oct. 1922	*¶WALLIS, CHARLES HENRY ..	Borough Surveyor's Office, Worthin Sussex.
8691	Oct. 1921	*¶WALLIS, ERNEST DETTMAR ..	The Shelter, Bowes Road, Walto on-Thames, Surrey.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1903	*¶Walter, Sydney James	Temple Bar House, 23–28, Fleet Street, E.C.
Oct. 1913	*¶Walters, Percy Thomas.. ..	29, Vernon House, Sicilian Avenue W.C.1.
Oct. 1906	*¶Walters, William David ..	1, Llanfair Road, Penygraig, Glamorganshire.
Oct. 1911	*¶Walthew, Robert Battersby	51, North John Street, Liverpool.
Oct. 1911	*¶Warbrick, George Newton ..	Survey School, Odumase, via Accra, Gold Coast, West Africa.
Oct. 1919	*Ward, Armand Douglas ..	Sundridge, Glebe Avenue, Woodford Green, Essex.
Oct. 1913	*¶Ward, Cecil Gordon	44, Headland Park, Plymouth, Devon.
Oct. 1902	*Ward, Edward John	1, Burgoyne Villas, Alma Road, Plymouth.
Oct. 1923	*¶Ward, Edward Rex	7, Fore Street, Okehampton, Devon.
Oct. 1914	*¶Ward, Frank, Jun.	Burnville, Tavistock, Devon.
Oct. 1907	*¶Ward, John Eldon	10, Wynsdale Road, Bolton, Lancs.
Oct. 1920	*¶Ward, Lionel Eric	21, Surrey Street, Strand, W.C.1.
Oct. 1920	*¶Ward, Pascoe Leigh	Chumleigh, North Devon.
Oct. 1921	*¶Ward, Raymond John ..	25, Uxbridge Road, Hanwell, W.7 (Middlesex).
Nov. 1918	*¶Warder, Donald	"Cecildene," 3, Seymour Villas, Anerley, S.E.20 (Essex).
Oct. 1913	*Wardill, Herbert Roy	District Survey Office, Mansura, Egypt.
Oct. 1910	*Warner, Blair Martin	Heatherley, Shedfield, Hants.
Oct. 1912	*¶Warren, John Watkin	Room 66, Ground Floor, H.M.O.W., Storey's Gate, S.W.1.
Oct 1923	*¶Warren, Stanley Arthur ..	Wychwood, Farnham, Surrey.
Oct. 1920	*¶Wass, Arnold Crowther ..	Borough Surveyor's Office, Town Hall, Stoke-on-Trent.
Oct. 1917	*¶Wastell, Charles Hedley ..	4, College Street, Swansea.
Oct. 1911	*¶Waters, Albert Edward	162, Ferndale Road, Clapham, S.W.
Oct. 1921	*¶Waters, Ivor Arthur.. ..	12, Croftdown Road, N.W.5
Oct. 1922	*¶Waters, Philip Duncan Joseph	Calcote House, Bicton, Shrewsbury.
Oct. 1914	*¶Watkins, John Oliver	10 & 11, St. Helens Road, Swansea, Glam.
Oct. 1912	*Watkins, Robert	149, Luckwell Road, Bedminster, Bristol.
Oct. 1913	*¶Watney, Ronald Dendy.. ..	4a, Frederick's Place, E.C.
Oct. 1910	*Watson, Albert Richard ..	68, Elm Road, New Malden, Surrey.
Oct. 1912	*Watson, Arthur Briggs	52, College Drive, Rock Ferry, Cheshire.
Oct. 1912	*¶Watson, Charles William ..	39, Clarendon Road, Trowbridge.
Oct. 1921	*¶Watson, Thomas	34, Pinewood Road, Swansea.

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8083	Oct. 1919	*¶WATT, ALEXANDER	13, Brimmond Place, Balnaga Aberdeen.
3912	Oct. 1901	*¶WATT, ALEXANDER LINDSAY ..	Estate Office, High Legh, Knu ford, Cheshire.
7699	Nov. 1916	*¶WATT, SYDNEY CHARLES	6, Kelross Road, Highbury, N.
6414	Oct. 1911	*WATTS, FRANCIS HENRY	32, Shaftesbury Avenue, W.1.
4292	Oct. 1903	*¶WATTS, FREDERICK SPRING ..	38, Sloane Street, S.W.
6913	Oct. 1912	*¶WATTS, WILLIAM HARRY	St. John's School House, Durdha Downs, Bristol.
3138	Oct. 1896	*WEAVER, HENRY PERCIVAL FRANCIS	57, Varna Road, Edgbaston, B mingham.
5805	Oct. 1909	*¶WEAVER, LIONEL HUNTER ..	43, Cromford Road, Wandswor S.W.18.
8330	Oct. 1920	*¶WEBB, HUGH VICTOR CARTHORN	Nannan Estate Office, Dolgelley N. Wales.
6915	Oct. 1912	*¶WEBB, ROLAND DRURY	17, Albany Terrace, Worcester.
9118	Oct. 1922	*¶WEBBER, NORMAN LESLIE ..	76, North Road, St. Andrews Pa Bristol.
5551	Oct. 1908	*WEDDELL, ROBERT HOUSTON ..	Park Villa, Uddingston, Lanarkshire
3441	Oct. 1898	*WEEKES, CYRIL SWAFFER.. ..	Estate Offices, Guildford.
5056	Oct. 1906	*¶WEEKS, PERCY BERTRAM	32, Hopwood Gardens, Tunbridg Wells.
6917	Oct. 1912	*WEIR, EDWARD	Municipal Technical College, Bright
7436	Oct. 1913	*WEIR, WILLIAM LOGAN	Burgh Buildings, Hamilton, Lana shire.
6918	Oct. 1912	*¶WELCH, CECIL JOSEPH MARSH ..	The Folly, Dunmow, Essex.
7437	Oct. 1913	*WELLER, CYRIL GORDON RAMSAY	127, Lincolns Inn, 174, Corporat Street, Birmingham.
8695	Oct. 1921	*¶WELLS, LESLIE STUART DEAN	5, Daventry Avenue, Hoe Str Walthamstow, E.17 (Essex).
8331	Oct. 1920	*WELLS, REGINALD GEORGE ..	210, Upper Richmond Road, P ney, S.W.15.
7438	Oct. 1913	*WEST, PHILIP	104, Brondesbury Road, Kilburn, N (Middlesex).
3754	Oct. 1900	*WEST, SIDNEY HERBERT	North House, Portslade, Sussex.
6920	Oct. 1912	*¶WEST, SYDNEY HENRY	15, The Mall, Ealing, W.5 (Middles
8232	Oct. 1920	*¶WEST, TERENCE COLIN	39, Mayford Road, Wandswor Common, S.W.12.
6057	Oct. 1906	*¶WESTBROOK, BERNARD ANSON ..	Fire Brigade, Head Quarters, Calcu
4293	Oct. 1903	*¶WESTBROOK, CHARLES EDWARD	Calverley Parade, Tunbridge Wells.
9293	Oct. 1923	*¶WESTMORE, ALFRED FREDERICK	24, Sturry Street, Poplar, E.14.
941	Apr. 1883	WESTON, JOSEPH AURELIUS ..	83, High Street, Bedford.
9119	Oct. 1922	*¶WESTON, JOSEPH GORDON WALKER..	80, High Street, Bedford.
7962	Nov. 1918	*WESTROP, ARTHUR RICHARD, MAJOR, M.C.	P.O. Box 137, Colombo, Ceylon.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1921	*¶WESTROPE, VICTOR RUSSELL	52, Denbigh Street, S.W.1.
Oct. 1922	*¶WESTWOOD, HERBERT	Oakhurst, Burnham Road, Leigh on-Sea, Essex.
Oct. 1900	*WETENHALL, EDWARD BOX, A.R.I.B.A.	38, Parliament Street, S.W.1.
Oct. 1919	*WHALLEY, JOHN RICHARD BRIMALL	The Mart, Fratton Bridge, Portsmouth.
Oct. 1913	*WHEELER, ARTHUR CARRUTHERS	Architect, H.M.I. Maritime Customs Office, Shanghai.
Oct. 1915	*¶WHEELER, ERNEST BOSTOCK ..	60, Buckingham Palace Road, S.W.1
Oct. 1917	*¶§WHEELER, JOHN CAFFIN ..	20, Portland Square, Workington. Cumberland.
Oct. 1910	*WHEELER, LEONARD CHARLES ..	Woodville, Orchard Road, Havant, Hants.
Oct. 1905	*WHEELER, PERCY HARRISKINE	"Easebourne," Midhurst, Sussex.
Oct. 1921	*¶WHEELER, REGINALD HARRY	78, Oxford Gardens, North Kensington, W.10.
Oct. 1910	*¶WHESKER, JOHN EDWARD.. ..	20 Grenoble Gardens, Palmers Green, N.13. (Middlesex).
Nov. 1918	*WHIPP, JOHN ROLAND	Woodhey, Sylvan Avenue, Brooklands, Cheshire.
Feb. 1911	* WHITAKER, GEORGE..	Engineer's Department, Fylde Water Board, Sefton Street, Blackpool, Lancashire.
Oct. 1921	*¶WHITAKER, STEPHEN EDWARD	22, Selwood Road, Addiscombe Croydon.
Oct. 1908	*WHITE, HERBERT PRATT	Hillbrow, Loose, near Maidstone.
Oct. 1920	*WHITE, JOHN	Ivy Bank, Elgin, Scotland.
Oct. 1923	*¶WHITE, ROY LESLIE	33, Victoria Avenue, Southend-on-Sea, Essex
Oct. 1919	*¶WHITE, ROYNON HANSFORD ..	14A. Cavendish Place, Cavendish Square, W.
Jan. 1896	*WHITE, WILLIAM	137, Pilgrim Street, Newcastle-on-Tyne.
Oct. 1912	*WHITEFIELD, STANLEY PARKIN..	94, The Avenue, Ealing, W. (Middlesex).
Oct. 1912	*WHITELEY, ROBERT HENRY ..	Whitwood Hall, Normanton, Yorks.
Oct. 1921	*¶WHITEMAN, OBED ARTHUR JOHN	46, Sackville Road, Hove.
Feb. 1912	*WHITNEY, EUSTACE SCOTT ..	11, Morella Road, Wandsworth Common, S.W.
Oct. 1911	*WHITTINGHAM, ROBERT CECIL, N.D.A.	2, Zetland Terrace, Norton, Malton, Yorks.
Oct. 1920	*¶WHITTINGTON, HAROLD NORMAN	173, Lorrimore Road, Kennington Park, S.E.17.

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7441	Oct. 1913	*WHITTLE, HENRY	c/o de Trafford Estate Office, Bridge Street, Manchester.
4092	Oct. 1902	*¶WHITTON, HAROLD WILLIAM ..	County Court, County Chambe Northampton.
4827	Oct. 1905	*¶WICKENDEN, ARTHUR FRED ..	58, Burbage Road, Herne Hill, S.E
8428	Oct. 1905	*¶WICKENDEN, ERNEST	City Surveyor's Office, Town H Manchester.
6100	Oct. 1910	*¶WICKER, JOHN OWEN	9, Belmont Road, Wallington, Surr
6927	Oct. 1912	*¶WIGGINTON, FRANCIS ARTHUR ..	7, Old Cross, Hertford.
9295	Oct. 1923	*¶WIGGINTON, THOMAS ANDREW	2, St. Andrew Street, Hertford.
3167	Feb. 1897	*WIGRAM, HENRY JOSEPH	Whitehouses, Retford, Notts.
8700	Oct. 1921	*WILDMAN, HERBERT ROBINSON	28, Cromwell Road, N.11.
5807	Oct. 1909	*¶WILKES, GEORGE THOMAS.. ..	
4295	Oct. 1903	*¶WILKES, JOHN FISKE, M.A. (*Cantab.*)	Elmdon Bury, Saffron Walden, Ess
7443	Oct. 1913	*¶WILKES, SIDNEY MARSHALL ..	98, Dimsdale Parade, Wolstant Staffs.
8701	Oct. 1921	*¶WILKIE, JOHN MACDOUGALL..	17, Esmond Street, Yorkhill, Glasg W.
9121	Oct. 1922	*¶WILKINS, CHRISTOPHER ..	The Grove, Longton, near Prest Lancs.
6419	Oct. 1911	*¶WILKINS, HERBERT RANDOLPH..	Hill View, Pewley Hill, Guildford
7444	Oct. 1913	*WILKINSON, FRED, A.R.I.B.A. ..	162, Long Lee, Keighley, Yorks.
8336	Oct. 1920	*¶WILKINSON, HENRY THEODORE	Brentor, Tavistock, Devon.
8337	Oct. 1920	*WILKINSON, JOSEPH PATTERSON	The Elms, Whitefield, near M chester.
8702	Oct. 1921	*¶WILKINSON, WILLIAM HENRY	Ivy Bank, Swires Road, Halifa
7445	Oct. 1913	*¶WILKS, MARK	c/o J. R. Eve & Son, 2 & 3, Sanctuary, S.W.1.
7446	Oct. 1913	*WILLETT, HUGH	6, Bushmead Avenue, Bedford.
9122	Oct. 1922	*¶WILLETTS, JOHN BRADLEY ..	29, Sandford Road, Moseley, Birmi ham.
4830	Oct. 1905	*¶WILLIAMS, CHARLES	6 and 7, Broad Street, Oxford.
3285	Oct. 1897	*¶WILLIAMS, DANIEL SMITH.. ..	6, Llanedeyrn Road, Penylan, Card
5557	Oct. 1908	*WILLIAMS, FRANK MCCLURE ..	La Barn, Dunsfold, Surrey.
7448	Oct. 1913	*¶WILLIAMS, HOWARD	132, Queen Street, Cardiff.
8703	Oct. 1921	*¶WILLIAMS, JOHN JOSEPH ..	Llanarth Estate Office, Newp Mon.
8339	Oct. 1920	*¶WILLIAMS, JOHN PRITCHARD	New Courts Chambers, 57–58, Ch cery Lane, W.C.2.
4568	Oct. 1904	*¶WILLIAMS, JOSEPH BERTRAM ..	54, Church Street, St. Helens, L cashire.
7450	Oct. 1913	*¶WILLIAMS, MORRIS HUGHES ..	Islwyn, Glan Conway, N. Wales.
3444	Oct. 1898	*WILLIAMS, PETER LLOYD ARMSTRONG	Map Dept., Land Registry, Lincc Inn Fields, W.C.2.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1923	*¶WILLIAMS, REES JOHN	51, Marlborough Road, Gillingham, Kent.
Oct. 1912	*¶WILLIAMS, RICHARD JOHN.. ..	13, North Villas, Camden Square, N.W.
Oct. 1912	*¶WILLIAMS, TOM LAWRENCE ..	Goshen, Stratford Road, Hall Green, Birmingham.
Oct. 1920	*¶WILLIAMS, WALTER LLEWELYN	78, Blakenall Lane, Walsall.
Oct. 1908	*WILLIAMS, WILLIAM ALFRED ..	26, Sydney Buildings, Bath.
Oct. 1907	*WILLIAMS, WILLIAM HENRY ..	7, Fort Terrace, Barnstaple, Devon.
Oct. 1908	*WILLIAMS, WORTHINGTON ERIC	Guildhall, Nottingham.
Oct. 1922	*¶WILLIS, ARTHUR JAMES	8, Haven Green, Ealing, W.5 (Middlesex).
Oct. 1912	*¶WILLIS, GEORGE	Sandycroft, Flixton Road, Urmston, Manchester.
Oct. 1912	*WILLIS, STANLEY SCOTT	Land Survey & Mines Dept., Dar-es-Salaam, Tanganyika Territory, E. Africa.
Oct. 1921	*¶WILLIS, THOMAS	22, Hornby Terrace, Morecambe.
Oct. 1905	*¶WILLMOTT, JAMES PERCEVAL ..	65, Goldhawk Road, W.
Oct. 1896	*¶WILLOUGHBY, CHARLES ALBERT	22, Chancery Lane, W.C.
Jan. 1884	WILLOUGHBY, CHARLES WILLIAM	22, Chancery Lane, W.C.
Oct. 1902	*¶WILLOUGHBY, FRANK	Maylands, London Road, Hailsham, Sussex.
Oct. 1921	*¶WILSHERE, REGINALD SHARMAN	County Architect's Dept., Old Court, Springfield, Chelmsford.
Oct. 1921	*¶WILSON, ALEXANDER JOHN MACKELL	63, Cartvale Road, Langside, Glasgow.
Oct. 1919	*¶WILSON, BERTRAM	Windyridge, Tadcaster, Yorks.
Oct. 1904	*¶WILSON, GEORGE LEOPOLD ..	c/o Palmer and Turner, Union Buildings, No. 4, The Bund, Shanghai.
Oct. 1913	*WILSON, GERALD HERBERT ..	Ellinthorpe Hall, Boroughbridge, Yorkshire.
Nov. 1891	*WILSON, JAMES CALVERT	Newcastle Estate Office, The Park, Nottingham.
Nov. 1892	*WILSON, JOHN HAYES	11, Penfold Street, Camberwell, S.E.
Oct. 1911	*WILSON, MARSHALL LANG.. ..	Estate Office, Ladykirk, Monkton, Ayrshire.
Oct. 1913	*§WINBOURNE, GOODMAN GEORGE, A.R.I.B.A.	108A, Cannon Street, E.C.4.
Oct. 1922	*¶WINCH, CECIL ARTHUR ..	Cranehurst, Cranbrook, Kent.
Oct. 1920	*WINDEMER, OLAF SYDNEY ..	253, Lavender Hill, S.W.11.
Oct. 1923	*¶WINDLE, FREDERICK	c/o W. Windle, Esq., 73, Drakefield Road, Balham, S.W.
Oct. 1922	*¶WINSTANLEY, THOMAS	90, Deansgate, Manchester.
Feb. 1908	*WINTLE, ARTHUR..	39, Park Road, Hampton Hill, Middlesex.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
5562	Oct. 1908	*WISE, WILLIAM CHARLES	Kenmure, Reynolds Road, Beaco field, Bucks.
7453	Oct. 1913	*WOMACK, OSWALD CEDRIC.. ..	Survey Department, Ceylon.
3919	Oct. 1901	*¶WONNACOTT, HOWARD JOHN ..	40, Elsie Road, East Dulwich, S.E.
5809	Oct. 1909	*¶WONNACOTT, JAMES PALMER ..	c/o Superintending Valuer, 51, Que Street, Exeter.
8342	Oct. 1920	*¶WOOD, ARTHUR JOHN, M.A. (*Cantab.*).	6, Mount Street, Grosvenor Squa W.1.
6424	Oct. 1911	*WOOD, FRANK HOUSEDEN.. ..	17, Queens Road. Bromley, Ken
7454	Oct. 1913	*WOOD, HARRY GEORGE	7, Wellington Road, Handswo Birmingham.
3920	Oct. 1901	*WOOD, HERBERT CALVERT ..	Chesters Estate Office, Humshaugh- Tyne, S.O., Northumberland.
6425	Oct. 1911	*WOOD, JOHN OGDEN	62, Outwoods Street, Burton-on-Tre
8089	Oct. 1919	*¶WOOD, PERCY JOHN	103, Florence Road, Stroud Green, (Middlesex).
9298	Oct. 1923	*¶WOOD, RAYMOND HERBERT ..	Rose Leigh, Cranston Road, E Grinstead.
6937	Oct. 1912	*WOODBRIDGE, WILLIAM EDWARD, A.M.I.C.E.	134, Inverness Avenue, Westcliff- Sea.
7456	Oct. 1913	*WOODBURN, WILLIAM..	Eden Lodge, Stanley Street, Spi Chesterfield.
6426	Oct 1911	*¶WOODCOCK, WILLIAM..	11, St. Hilda Road, Folkestone, Ke
7457	Oct. 1913	*WOODMAN, GREENWOOD	Hooten Cottage, Leigh, Lancs.
7458	Oct. 1913	*WOODROFFE, NORMAN FREDERIC	5, Bedford Row, W.C.1.
6427	Oct. 1911	*WOODS, HENRY EDWARD ANZANI	Revenue Chambers, Bradford, Yo
6938	Oct. 1912	*WOOLCOCK, WILLIAM THOMAS HARRY	H.M. Office of Works, King Cha Street, S.W.1.
6103	Oct. 1910	*WOOLDRIDGE, ARTHUR MAIN-WARING	193, Alrington Avenue, Northamp
7631	Oct. 1915	*¶WOOLF, EMANUEL	12, Devonport Street, Hyde Park, W
6939	Oct. 1912	*WOOLLASTON, THOMAS WILLIAM	Glenside, Davenport Road, Tetten Staffs.
7541	Oct. 1914	*¶WOOLLEY, JOHN LEYLAND ..	Rectory Place, Loughborough, Leices shire.
3168	Feb. 1897	*WOOLNOUGH, TOM	Oakleigh, 182, Chase Side, Southg N. 14 (Middlesex).
7460	Oct. 1913	*WOOTTEN, CHARLES STANLEY ..	32, Rue Dampierre, Calais.
3142	Oct. 1896	*WORDSWORTH, CHRISTOPHER ..	Brooklands, South Godstone, Sur
5579	Feb. 1909	*¶WORLAND, HENRY JOHN	1, North Road, Surbiton.
4834	Oct. 1905	*WORLEY, FREDERICK HORACE ..	Parr's Bank Buildings, George La Woodford, Essex.
4573	Oct. 1904	*WORRALL, BERTRAM	Rectory Farm House, Steeple As Oxford.
8343	Oct. 1920	*¶WORTERS, CHARLES COWLEY..	c/o Messrs. Whitfield, Baker & C 5B, Pall Mall, S.W.1.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Feb. 1911	*¶WORTH, GEORGE PEARCE	The Homestead, Windmill Road, Ealing, W. (Middlesex).
Oct. 1897	*WRIGHT, ERNEST BERESFORD FITZHERBERT	
Oct. 1914	*¶WRIGHT, GEORGE THOMAS ..	c/o Fen, Wright & Co., High Street, Colchester.
Oct. 1912	*¶WRIGHT, JAMES ALEXANDER ..	"Melbury," Grange Road, Bushey, Herts.
Oct. 1920	*WRIGHT, JOHN	33, St. Paul's Square, York.
Oct. 1921	*WRIGHT, JOHN	Brunswick House, Brunswick Square, Penrith.
Oct. 1894	*WRIGHT, PHILIP CHETWOOD ..	Brattleby Hall, near Lincoln.
Oct. 1913	*WRIGHT, WILLIAM NOEL	
Oct. 1923	*¶WRIXON, ALBERT GEORGE ..	41, Richmond Park Road, East Sheen, S.W.14 (Surrey).
Oct. 1913	*WYLLIE, WILLIAM ALEXANDER	59, Academy Street, Inverness,
Oct. 1915	*¶WYNNE, THOMAS STANLEY ..	County Surveyor's Office, County Buildings, Shrewsbury.
Oct. 1921	*¶‡WYNNE-JONES, ERIC	c/o Messrs. Knight, Frank & Rutley, 20, Hanover Square, W.1.
Oct. 1913	*YARNALL, CHARLES WILLIAM ..	73, Irving Road, W. Southbourne, Bournemouth, Hants.
Oct. 1921	*¶YATES, FREDERICK GEORGE ..	4, Queen Victoria Street, E.C.4.
Oct. 1911	*¶YATES, HAROLD	50, Lynwood Road, Blackburn.
Oct. 1919	*¶YATES, JOHN	Osterley, Mowbray Road, Chatswood, Sydney, N.S.W.
Feb. 1913	*YATES, WILFRID ARCHIBALD ..	43, Great Marlborough Street, W.1.
Oct. 1907	*YELF, JACK ROBERT	The Manor House, Kingsbridge, S. Devon.
Oct. 1911	*YEO, WILLIAM HENRY	Caegarw, Court Colman, Bridgend, Glamorganshire.
Oct. 1899	*¶YEWDALL, FRANCIS EDWARD ..	Borough Surveyor's Office, Town Hall, Richmond.
Oct. 1921	*¶YORK, ROBERT JOHN	7, Morley Road, Lewisham, S.E.13.
Oct. 1910	*¶YORK, WILLIAM HENRY, CAPT., R.E., A.M.I.C.E.	Clarendon, New Barnet, Herts.
Oct. 1906	*YORKE, MAURICE FRANCIS ..	20, Davies Street, Berkeley Square, W.1.
Feb. 1910	*YOUNG, DAVID FERNÉE	East Street, Barking, Essex.
Oct. 1913	*¶YOUNG, DAVID WILBERFORCE, M.B.E.	Raven Chambers, Shrewsbury.

‡ Special Forestry Diploma.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
9300	Oct. 1923	*¶YOUNG, GEORGE HENRY ..	Rodway Hill House, Mangotsfi Glos.
5820	Oct. 1907	*YOUNG, JAMES WEIR..	Estate Office, Bishop Burton, Be ley, Yorkshire.
9301	Oct. 1923	*¶YOUNG, M. R. CARUTH	Leonie, Eastbury Avenue, Northw Middlesex.
2999	Oct. 1895	*YOUNG, WILLIAM	4, St. Peter's Street, St. Albans, H fordshire.
8711	Oct. 1921	*¶YOUNG, WILLIAM FREDERICK	Lenbury, Eastwood Road, Le on-Sea (Essex).
9126	Oct. 1922	*¶YOUNG, WILLIAM RAYMUND ..	4, St. Peter's Street, St. Albans, H
5068	Oct. 1906	*§YOUNG, WILLIAM ROSS	Scottish Board of Health, Edinbu
6434	Oct. 1911	*¶YOUNGS, SIDNEY..	Granville House, Arundel Str Strand, W.C.2.

Total Number of Professional Associates, 2,685, carried to Summary, page 22

Associates.

Date of Election or Transfer.	ASSOCIATES.	Address.
ct. 1899	BARRY, CHARLES EDWARD ..	Parliament Mansions, Victoria Street, Westminster, S.W.
ct. 1910	BEALE, SIR JOHN FIELD, K.B.E.	5, Fenchurch Avenue, E.C.
ct. 1907	BIDDER, HAROLD FRANCIS, MAJOR, D.S.O., B.A.	Ravensbury Manor, Mitcham, Surrey.
ct. 1913	BOYLE, SIR EDWARD, BART. ..	1, King's Bench Walk, Temple, E.C.
eb. 1884	BUND, JOHN W. WILLIS, C.B.E.	Shire Hall, Worcester.
eb. 1908†	CARDALE, WILLIAM HENRY ..	17, Tower Royal, Cannon Street, E.C.
ct. 1920	CARR, ARTHUR STRETTELL COMYNS, M.P...	1, Temple Gardens, E.C.4.
ct. 1906 ct. 1923	CHART, STEPHEN	Greenview, Mitcham, Surrey.
ct. 1917	COURTHOPE, GEORGE LLOYD, LIEUT.-COLONEL, M.C., M.P.	House of Commons, S.W.
eb. 1900	COURTHOPE-MUNROE, SIR HARRY, K.C., M.A. (*Cantab.*) (*Associate of Council.*)	3, Harcourt Buildings, Temple, E.C., and The Manor House, Kelsale, near Saxmundham, Suffolk.
ct. 1897 ay 1899 ec. 1921	CRESWELL, WILLIAM THOMAS, CAPT, LIC.R.I.B.A.	3, Temple Gardens, E.C.4, and Carshalton, Surrey.
an. 1889 une 1904 ob. 1913	CROUCH, JAMES LEONARD ..	1, Brick Court, Temple, E.C.
ob. 1910	DIBDIN, LEWIS GEORGE	Ecclesiastical Commission, 1, Millbank, S.W.1.
ct. 1912 ec. 1921	DOCKING, CARLTON WILLIAM	Roslyn, Barclay Road, Croydon.
ct. 1898	DOWNIE, ALEX. FRANCIS MACKENZIE	Alton, Hants.

Date of Election or Transfer.	ASSOCIATES.	Address.
Feb. 1878	FREEMAN, GEO. MALLOWS, K.C. (*Associate of Council*)	The Grey Friars, Winchelsea, Sus
Feb. 1899	GRAHAM, WILLIAM VAUX, M.I.C.E.	5, Queen Anne's Gate, S.W.
Jan. 1874	GRANTHAM, RICHARD FUGE, M.I.C.E.	5, Little College Street, Westmin Abbey, S.W.
P.A. Oct. 1903 A. Jan. 1918	GRIERSON, JOHN CAMPBELL ..	Caperby, Mount Wood, Prenton Cheshire.
Feb. 1909	GWYER, MAURICE LENFORD, C.B.	Ministry of Health, S.W.1.
F. Oct. 1917 A. Mar. 1920	HAMER, HERBERT, MAJOR, R.E.	Northern Counties Club, White Court, S.W.1.
P.A. Oct. 1921 A. Oct. 1923	HEDGES, ALFRED VICTOR ..	29, Prestwich Street, Burnley.
Oct. 1897	‖ HILL, JOHN SMITH, B.A., B.SC. (*Lond.*)	Estate Office, Greystoke, Pen Cumberland.
Oct. 1919	HILLS, EUSTACE GILBERT, K.C...	2, Garden Court, Temple, E.C.
Jan. 1887	HUDSON, ALFRED ARTHUR, K.C...	5, Paper Buildings, Temple, E.C.
Feb. 1905	JEEVES, WILLIAM JOHN, C.B.E., K.C.	Farrar's Building, Temple, E.C.
Oct. 1919	MACASSEY, SIR LYNDEN LIVINGSTONE, K.B.E., K.C.	3, Paper Buildings, Temple, E.C.
Oct. 1905	MACKENZIE, KENNETH JAMES JOSEPH	Department of Agriculture, Cambr
P.A. Oct. 1920 A. Dec. 1922	MACQUEEN, MONTAGUE MORDAUNT	9, Kirkwood Street, Ibrox, Glasg
Oct. 1912	MEAD, LAWRENCE	5, Paper Buildings, Temple, E.C.
P.A. Mar. 1888 F. Jan. 1891 A. Feb. 1906	MOULD, GRAHAM HARLEY.. ..	6, Pump Court, Temple, E.C.

‖ Sessional Papers Gold Medal.

e of on or sfer.	ASSOCIATES.	Address.
t. 1898 t. 1904 c. 1922	ORWIN, CHARLES STEWART, HON., M.A. (*Oxon*).	School of Rural Economy, Parks Road, Oxford.
n. 1882	RIGG, HERBERT ADDINGTON, K.C.	Wallhurst Manor, Cowfold, Sussex.
o. 1889	SETH-SMITH, ARCHIBALD	Silvermere, Cobham, Surrey.
t. 1920	SMITH, DOUGLAS BEVINGTON ..	73, High Street, Chelmsford.
n. 1896	SOMERVILLE, WILLIAM, M.A., D.SC.	121, Banbury Road, Oxford.
t. 1920	THOMPSON, LEO ANTHONY ..	Ministry of Agriculture, 55, Catherine Street, Salisbury.
t. 1901 o. 1909	THORNE, RICHARD SQUIRE, B.A. (*Cantab.*)	Nicoll Farm, Edgware, Middlesex, 1, Mitre Court Buildings, Temple, E.C.4.
r. 1918	TURNER, SYDNEY GEORGE, O.B.E., A.M.I.C.E.	3, Harcourt Buildings, Temple, E.C.
r. 1913 r. 1920	WATSON, WILLIAM ERNEST ..	6, Gray's Inn Place, Gray's Inn, W.C.1, and 1, Brick Court, Temple, E.C.4.
s. 1923	WHELDON, ROBERT WILLIAM ..	Agricultural Dept., Armstrong College, Newcastle-on-Tyne.
. 1887 . 1917	WOOLNOUGH, JOHN WILLIAM ..	30, Seaside Road, Eastbourne, Sussex.
. 1906 e 1911 . 1922	YEATMAN-BIGGS, WILLIAM HUYSHE	The Estate Office, Codford, S.O., Wilts.

Total Number of Associates, 43, carried to Summary, page 229.

Probationers.

The names of Probationers who have passed the Intermediate Examination are distinguished thus *.

Date of Election.	PROBATIONERS.	Address.
1922	*Abbey, John Barwick	The Mount, Gilesgate, Durham.
1923	*Ackland, Horace Albert ..	62, Battledean Road, Drayton Park, N.5.
1921	Adams, Alfred Charles ..	22, Midland Street, Huddersfield.
1923	*Adams, James Whirter Renwick	Surrey Lodge, Thames Ditton, Surrey.
1923	*Allport, Cyril Howard ..	Menagerie Farm, Escrick, York.
1923	*Anderson, James Hamilton ..	92, Madrid Road, Barnes, S.W.13 (Surrey).
1922	*Arnold, John Stanley	83, Church Road, Canonbury, N.
1923	*Arundel, Hugh Rivers	35, Gawthorpe, Selby, Yorks.
1923	*Austen, Reginald	Ouyen, Nightingale Road, Rickmansworth, Herts.
1923	*Ayliffe, Reginald William ..	129, Beedell Avenue, Westcliff-on-Sea.
1923	*Balch, William Morton.. ..	Wickham Bishops, Essex.
1922	Ball, Eric Beckford	Fernleigh, Ditton, near Maidstone.
1923	*Ball, Herbert Frederick ..	Works Dept., Imperial War Graves Commission, St. Omer, Pas de Calais, France.
1923	Barnett, Harold Samson ..	47, Howitt Road, Hampstead, N.W.3
1923	*Barron, John Reynolds ..	Bottesford Road, Ashby, nr. Scunthorpe, Lincs.
1923	*Bean, George W.	73, Victoria Road, Bedford.
1923	*Bedford, Harold Edward Sayer	3, Weight Road, Chelmsford.
1923	Bernard, Morogh Wyndham Percy	Blunts Hall, Witham, Essex.
1922	*Bignell, Arthur Robert ..	83, Pall Mall, S.W.1.
1922	*Birkhead, Frank Radcliffe..	Borough Engineer's Office, Halifax.
1922	*Birmingham, Charles Roy ..	85, Guildhall Street, Bury St. Edmunds
1923	Biscoe, Ronald George ..	3, Greenhill Road, Harrow.
1922	*Bishop, William Thomas ..	5, Great College Street, S.W.1.
1923	*Black, Cyril Wilson	North Lodge, Westleigh Avenue, S.W.15.
1923	*Blissett, Frank Charles ..	39, Idlecombe Road, Tooting, S.W.17
1923	*Boorman, Reginald William ..	9, Crouch Villas, Cedar Road, East Croydon, Surrey.

Date of Election.	PROBATIONERS.	Address.
1922	*Boucher, Gerald	1, Inhurst Road, North End, Portsmouth.
1923	*Bowl, George James Eric ..	Beech House, Kings Stanley, Glos.
1922	*Bownas, William	16, Nelson Road, Victoria Avenue, Blackley, Manchester.
1923	*Bowyer, Charles Percival ..	18, Lansdowne Avenue, Slough, Bucks.
1923	Bracker, Stanley Ewart ..	Ulmus, Lyell Road, Upper Parkstone, Dorset.
1921	*Bridgford, James Alan ..	Dornden, Disbury Park, Manchester.
1922	Bright, Eric Stewart	1A, Haydon Park Road, Wimbledon, S.W.19 (Surrey).
1922	Broad, George Hector.. ..	4, Grosvenor Avenue, Wallington, Surrey.
1923	*Brookes, George Charles Richard	41, Bedford Row, W.C.1.
1923	*Brown, John Victor Raeburn	Dundas Lodge, Kerse, by Falkirk.
1922	*Burgess, Samuel Hobson ..	171, Cross Street, Sale, Manchester.
1923	*Burrell, Joseph Alexander..	The Grange, Harlesden Road, N.W.10 (Middlesex).
1922	*Butcher, Herbert Walker	2, Acacia Road, Acton, W.3 (Middlesex).
1923	*Caines, Harold John	Surveyors Dept., G. N. Rly., King's Cross Station, N.
1923	*Campbell, Ian Roy	Blatchcombe, Chilworth, Surrey.
1923	*Campbell, James Fisher.. ..	110, Onslow Drive, Dennistoun, Glasgow.
1922	Carpenter, George Lester ..	34, Linden Road, Gillingham, Kent.
1923	*Chamberlain, Norman Vincent	119, Albion Road, Stoke Newington, N.16.
1923	*Chapman, Herbert Arthur ..	34, Chestnut Road, Kingston-on-Thames.
1923	Charlton, Noel	172, Sheen Road, Richmond.
1923	*Cheney, William Stanley ..	189, Upper Street, N.1.
1921	*Chibbett, Henry James	Long Street, Williton, Somerset.
1922	*Clare, Joseph	186, Ampthill Road, Bedford.
1923	*Clark, Albert Edward ..	Welwyn, Addiscombe Court Road, Croydon.
1922	*Clarke, Charles William ..	Greenfield House, Hales Lane, Smethwick, Staffs.
1922	*Clarke, Harold Bertram ..	St. Martins, Garland Road, Poole, Dorset.
1923	*Clements, Russell Matthew	14, Roseberry Crescent, Jesmond, Newcastle-on-Tyne.
1923	*Clogg, Richard Wilkinson ..	Rowanhurst, Havant, Hants.
1923	*Cobb, Richard Martin	Mockbeggar, Rochester, Kent.

Date of Election.	PROBATIONERS.	Address.
1922	COLE, GEORGE CHARLES	Brandwood, Broadbridge Heath, Ho sham.
1923	*COLE, WILLIAM EDWARD	Dyrham, Staple Hill, Bristol.
1923	*COLLINS, GEOFFREY HAVELOCK	The Gables, Berkhamsted, Herts.
1922	*COOK, HAROLD	Surveyor's Office, Town Hall, Lee Staffs.
1922	*COOK, JOHN OLIVER, JUN. ..	2, Wrottesley Road, Plumstead, S.E.1
1923	*COOPER, WALTER DEWHURST ..	23, Hartington Street, Barrow-in-Furness.
1922	CORKILL, CECIL STARLING ..	13, Church Street, Douglas, Isle of Ma
1923	*COSTER, ALBERT ERNEST	c/o Messrs. E. Millard & Co., 10, Unic Court, Old Broad St., E.C.2.
1923	*COSWAY, HEWETT LINTON GILLIAM	253, West End Lane, N.W.6.
1922	*COWELL, ARTHUR EDMUND ..	Brookside, North Holmwood, near Dorking, Surrey.
1923	*CRICHTON, GEORGE CALLUM ..	5, Claremont Place, Crieff Road, Pert
1922	CROSS, FRANCIS WILLIAM BARHAM	77, King Street, Manchester.
1922	*CROWN, RAYMOND JAMES.. ..	39, Southbrook Road, Lee, S.E.12.
1923	CURTIS, CLAUDE JAMES	Oakvale, New Milton, Lymington, Hants.
1923	*DAMEN, HUBERT EDWARD ..	Westward Ho., Dudsbury Avenue, Ferndown, Dorset.
1923	*DANCY, ERIC	c/o Messrs. Wyatt & Sons, West Street, Havant, Hants.
1923	*DANGERFIELD, HENRY CHARLES	Southern Rly., Estates Office, 29, Addington Street, S.E.1.
1923	*DAVID, HUMPHREY EDMUND ..	4, Park Place, Cardiff.
1923	*DAVIDSON, JAMES, JUN.	Garry Cottage, Station Road, Loch-gelley, Fifeshire.
1923	*DAVIES, FRANCIS KABERRY ..	Bonds Cay, Radlett, Herts.
1923	*DAVIES, HAROLD NORTON.. ..	38, Gwladys Street, Caeracca, Pant-Dowlais, Glam.
1923	*DAWNEY, PERCY WILFRID ..	Caswell, Downs Court Road, Purley, Surrey.
1923	*DAWS, WALTER AUGUSTUS ..	7, Waylen Street, Reading.
1923	*DAWSON, ALWYN HUGH BASIL..	9, Rose Hill Gardens, Jarvis Brook, Sussex.
1923	*DENNE, STANLEY VINCENT ..	Queen Street, Deal.
1923	*DENT, NORMAN	c/o Mr. J. Wetherell, 47, Frenchgate, Richmond, Yorks.
1923	*DE SILVA, WALTER RAYMOND ..	Avondale House, Avondale Road, Ho
1923	DE VILLE, MARTIN INGRAM ..	Ardlui, Fairdene Road, Coulsdon, Surrey.

Date of election.	PROBATIONERS.	Address.
1923	DIGNASSE, DAVID REX	57, Woodbourne Avenue, S.W.16.
1923	*DIXON, GERALD WILLIAM	Pitlochrie, St. Albans.
1921	DOLAMORE, CHARLES WILLIAM GEOFFRY	Borough Engineer's Dept., Town Hall, Lowestoft.
1922	*DOWLING, RICHARD BRABAZON ..	Chasefield, Hadley Wood, Herts.
1923	*DOWN, ERNEST AUGUSTUS ..	Hodson House, Swindon.
1922	*DRAPER, LOUIS HENRY	148, Manchester Road, Rochdale.
1923	DUNPHY, LAWRENCE HERBERT ..	10, Barlow Road, Acton, W.3 (Middlesex).
1923	*DYER, HARRY WILLIAM JAMES ..	76, Milton Road, Portsmouth.
1922	*EATON, LESLIE	Chalet, Prestatyn, North Wales.
1923	*EDWARDS, GEORGE	10, Courtland Terrace, Merthyr Tydfil.
1923	*EDWARDS, PERCY CLIFFORD ..	24, Heath Street, Newcastle, Staffs.
1923	*ELLIS, HORACE GEORGE VERNON	c/o C. N. Stanford & Son, 23, High Street, Colchester.
1923	*ELLIS, LEONARD PERCIVAL SNOW	The Barton, Dunchidcock, nr. Exeter.
1922	*EMMS, SEPTIMUS JOHN	5, Cedars Road, Hampton Wick, Middlesex.
1923	*ERLE-DRAX, JOHN CHARLES WILLIAM	Bilting House, Wye, Kent.
1922	*FAIRER, THOMAS JOSEPH	24, Dorking Road, Epsom.
1923	*FARBRIDGE, LESLIE CLARK ..	27, The Green, Wye, Kent.
1923	*FATT, MAURICE SELWYN	The Laurels, Milton, nr. Northampton.
1922	*FERRELL, CLIFTON GORDON ..	Messrs. Permain & Ferrell, 8, Station Approach, Reading.
1923	FIELD, JAMES DONALD	Brooklyn, Horley, Surrey.
1923	*FISHER, JOHN JAMES	77, Cecil Street, Hull, Yorks.
1923	*FISK, ARTHUR HAROLD	Halscote, Silverdale Road, Bushey, Herts.
1923	*FITTON, JOHN HERALD	Oakacre, Wash Lane, Timperley, Cheshire.
1922	*FODEN, ARTHUR FERGUSSON ..	34, Parkbridge Road, Prenton, Birkenhead, Cheshire.
1923	FORDHAM, CHRISTOPHER MADDOX	40, Well Walk, Hampstead, N.W.3.
1923	*FOSTER, HERBERT EDWARD ..	31, Ripon Street, Lincoln.
1923	*FOSTER, KENNETH EDWARD ..	31, North Villas, Camden Square, N.W.1.
1922	*FOWLER, CLEMENT HARWOOD ..	Oakcroft, Cowfold, Sussex.
1922	FRENCH, ARTHUR GEOFFREY ..	7 Lyttelton Road, Edgbaston, Birmingham.

Date of Election.	PROBATIONERS.	Address.
1922	*Galsworthy, Peter, Capt. ..	26, Dover Street, Piccadilly, W.1.
1923	*Gardner, Geoffrey Gilbert..	Hendall, Crawley, Sussex.
1923	*Garrard, Norman Arthur ..	37, Palace Gardens Terrace, W.8.
1922	Gee, Edward Rowland	I 3 Whewells Court, Trinity College Cambridge.
1923	German, Guy Johnson	Rawdon Terrace, Ashby-de-la-Zouch
1923	*Gillis, James	246, Ashmore Road, Maida Hill, W.
1923	Gooch, Edward George	Easton, Wickham Market, Suffolk.
1923	*Gowing, Claud Gambling ..	White Hall, Sprowston, Norwich.
1923	*Graddon, Reuben Harold ..	71, Virginia Street, Southport, Lancs
1923	Green, Arthur Ernest Hamilton	89, Bouverie Road, Stoke Newington N.16.
1923	*Griffett, William Arthur ..	67, St. Anns Road, Stamford Hill, N.
1923	*Grisdale, George	9, Rowena Street, Great Lever, Bolt
1923	*Grover, Herbert Clifford ..	62, The Mall, Southgate, N.14 (Midd sex).
1923	*Grundy, George Alwyn ..	Orchard Dene, Rainhill, Lancs.
1922	*Hadfield, Charles Norman ..	173, Rosebery Avenue, E.C.1.
1921	*Hagger, Guy Montague Wiles	80, Park Road, Kingston Hill, Surrey
1922	Hall, Percy	Croxdale View, Station Avenue, Br don Colliery, Co. Durham.
1922	*Hall, Samuel Chevin	22, Ashington Road, Hurlingham, S.W
1923	Hartley, Albert	200, Honeywell Lane, Oldham, Lancs
1922	*Hartshorne, Cyril Ernest ..	26, Shrewsbury Road, Southgate, N (Middlesex).
1923	*Harverson, Cecil	119, Whyteville Road, Forest Gate E.7 (Essex).
1923	*Hawkins, George Wilfrid ..	7A, Fieldhouse Road, Balham, S.W.1
1923	*Hawkins, William Victor ..	170, Springfield Road, Brighton.
1922	*Hayne, George Frederick ..	St. Audries, nr. Taunton, Somerset.
1923	Heal, Clifford Henry	62, Fore Street, Totnes, Devon.
1923	*Heather, John	70, Lesbourne Road, Reigate, Surre
1921	*Helmore, Leonard Mervyn ..	3, Danes Road. Exeter.
1923	*Hemens, Arthur Edmund ..	13, Thornton Avenue, Chiswick, W. (Middlesex).
1922	*Henshaw, Robert Rushton ..	The Estate Office, Croxteth, Liverp
1923	*Hepper, Alan Bedford	Woodcote, Wood Lane, Headingley Leeds.
1923	*Heynes, Herbert	105, Shelley Avenue, Manor Park E.12 (Essex).
1923	*Heywood, Geoffrey Henry..	Christleton Lodge, Chester.
1922	Hill, Eric Cuthbertson ..	24, Ambleside Avenue, Streath S.W.16.
1923	Hill, Leslie Charles	28, Farrer Street, Kempston, Beds
1923	*Hill, Robert William Lewis	20, Nicosia Road, S.W.18.

Date of election.	PROBATIONERS.	Address.
1923	*Hoddy, Albert Arthur Victor	101, Lady Margaret Road, N.19.
1922	*Hodgman, Cecil Merrick ..	2, Dundonald Road, Ramsgate.
1923	Hodsoll, James William ..	Farningham, Kent.
1923	*Hogbin, Leslie Morgan Tom..	73, Crescent Road, Ramsgate, Kent.
1923	*Honnywill, Charles Robin ..	Holmans, Hawkhurst, Kent.
1923	*Horn, Henry James	19, Lichfield Road, East Ham, E.6 (Essex).
1923	*Howe, Robert Norman	45, Dukes Avenue, Muswell Hill, N.10 (Middlesex).
1923	*Hummell, Horace Reginald	Homefield, Horley, Surrey.
1923	*Hunt, Charles Harman	18, Mercers Road, Tufnell Park, N.19.
1923	Hunt, Cyril	14, Clyde Road, Croydon.
1922	*Ireson, John, Jun.	Glenthorne House, Yaxley, near Peterborough.
1922	Jackson, Roy Giffard	94, Grove Park, Denmark Hill, S.E.5.
1923	*Jacobs, Harry Cyril	Ambleside, Petersfield, Hants.
1923	*James, Meurig Lewis	Goedwig, Woodlands Terrace, Swansea.
1921	Jarman, Arthur Roy	85, Windmill Street, Gravesend.
1923	*Jefferies, Thomas Leslie Gilbert	Wansbeck House, Chepstow, Mon.
1923	*Jeffries, Percy Edward Reginald	283, Bramford Road, Ipswich.
1921	Jellett, William Bulford ..	49, Eastern Road, Romford.
1923	*Johnston, James Carruthers	14, Winfield Road, Blackman Lane, Leeds.
1921	Johnstone, James Lloyd Warrack	Middlewood Road, Aughton, Ormskirk, Lancs.
1921	*Johnstone, Robert William	Dryden Villa, Roslin, Midlothian.
1922	*Joseland, Leonard	High Croft, Kidderminster, Worcestershire.
1922	Josey, Tom	23, Station Avenue, Sandown, Isle of Wight.
1923	*Kennaugh, Thomas Hudson ..	2, Woodside Terrace, Douglas, Isle of Man.
1923	*Kennett, Henry James	44, The Quadrant, Richmond, Surrey.
1923	*Keyte, Joseph Rushbrooke ..	Ebrington, Alderbrook Road, Solehill, Warwickshire.
1922	*Kimber, Alfred Robert ..	Shrubland Park Estate Offices, Coddenham, near Ipswich.
1923	*King, Charles Howard ..	35, Algiers Road, Lewisham, S.E.13.

Date of Election.	PROBATIONERS.	Address.
1923	*Kinnell, Brian	Boulderwood, Mount Hermon Road Woking.
1923	*Kinsella, Tom	17, Beechwood Avenue, Chorlton cum-Hardy, Manchester.
1923	*Knight, George Coldham ..	Stricklands, Stowmarket, Suffolk.
1923	Knight, Harry Vye	2, Beccles Road, Oulton Broad Lowestoft.
1924	*Knight, Percy James Geoffrey	4, Wellesley Villas, Ashford, Kent.
1923	*Lamb, Louis Cecil	7, Little College Street, S.W.1.
1923	*Langran, Joseph George ..	30, Chatham Road, Kingston-on Thames.
1923	*Larkam, Reginald William ..	3, Endless Street, Salisbury.
1923	*Lauder, Malcolm, Jun.	Rowanlea, Johnstone, Glasgow.
1923	*Leather, Clifford Richardson	18, James Street, Lower Crumpsal Manchester.
1923	*Linay, Reginald Cooper ..	c/o Messrs. Jones Lang & Co., 3, Kin Street, E.C.2
1923	*Linington, Francis John ..	West Northdown Farm, Margate.
1922	*Linsley, Arthur John Shaw ..	c/o Mrs. Siddall, 22, Porter Stree Staveley, near Chesterfield.
1923	*Llewellyn, Eric Gilbert ..	92, Ringwood Road, Eastbourne.
1923	*Lock, John Matthew Boys ..	Speldhurst, Duke's Avenue, Finchle N.3. (Middlesex).
1923	Longmore, Bernard George ..	10, Birmingham Road, Kiddermins
1923	*Mabbott, Howard Kilner ..	Silverdale, Moss Lane, Ashton-on Mersey, Cheshire.
1923	*McAuley, Bruce	Moyleen, Deramore Park South, Bel
1923	*McConnell, Robert Melville Terence	Glen Dhu, Strandtown.
1923	*McDowall, James	9, Copthorne Drive, Shrewsbury.
1923	*Macpherson, John Henderson	Blackcroft, Shettleston, Glasgow.
1922	*Malby, Edward Augustus ..	53, Clarence Road, Bickley, Kent.
1923	*Malcolm, Duncan Grant ..	135, Great Hamilton Street, Glasgo
1922	*Malkinson, Bert William ..	Surveyor's Dept., G.N. Railway, Ki Cross Station, N.1.
1923	*Maltby, Harold Vivian	Duncliffe, Copers Cope Road, Becke ham, Kent.
1923	*Maples, John Thresh	10, Kingsmead Road South, Oxto Birkenhead.
1923	Marshall, Andrew Campbell	12, Smith Street, Hillhead, Glasgo West.
1924	Mason, Henry Edward Roy ..	53, Hampstead Road, Dorking, Su
1922	*Matthews, Alfred Charles ..	204, Rye Road, Hoddesdon, Herts

ate of tion.	PROBATIONERS.	Address.
21	MATTHEWS, HAROLD MARTEN..	51, Barrington Road, Crouch End, N.8 (Middlesex).
23	*MATTHEWS, HENRY JAMES ..	23, St. Agathas Road, Ward End, Birmingham.
22	*MATTHEWS, WOLVERLEY CLIFFORD	Mill House, Church Road, Croydon.
23	*MAXFIELD, STANLEY CECIL ..	Wayside, Lyndhurst Gardens, Finchley, N.3 (Middlesex).
22	*MAY, ROBERT CRUDEN	Lyneham, Chislehurst, Kent.
22	*MEERING, SYDNEY EDWARD ..	c/o Messrs. Aldons & Campbell, 21, Lower Bland Street, S.E.
23	*MERRY, WILLIAM HASLAM ..	17, High Street, Leighton Buzzard.
22	*METCALFE, HENRY ROYLE ..	Newholme, Alan Road, Withington, Manchester.
23	*MEYER, LEO HENRY PAUL ..	Brantwood, Erith Road, Bexleyheath.
23	MIDDLETON, EDGAR	195, Oldham Road, Rochdale, Lancs.
23	*MIDDLETON, WALTER	87, Park Road, Bingley, Yorks.
22	*MITCHELL, JACK HAROLD	Sunnygarth, Sunnyside, East Grinstead.
23	*MOORE, CHRISTOPHER CONSTABLE	Woodlands, Oakleigh Park, N.20 (Middlesex).
23	*MOORE, JOHN JAMES MCDOUGALL	16, Fort William, Douglas, Isle of Man.
22	*MOORE, LESLIE HELIER	Crown Hotel, Southwold, Suffolk.
21	MOORE, LEWIS JACK	Templeton, Bridge Road, Torquay.
23	*MOORHOUSE, HENRY	1, Scott Road, Little Chell, Tunstall, Stoke-on-Trent.
21	*MORCOM, PHILIP DENNIS	Stuart House, Liskeard, Cornwall.
22	MORGAN, ERIC RICHARD	209, Unthank Road, Norwich.
23	*MOTION, DONALD GRAHAM ..	Leigh Place, near Reigate, Surrey.
22	*MUNDY, GEORGE THEOPHILUS ..	183, Cinder Hill Road, Bulwell, Nottingham.
22	MURRAY, THOMAS PRAIN DOUGLAS	Dryburgh, Dundee.
22	*NEWCOMBE, REGINALD JOHN ..	Red House, Market Harborough, Leicestershire.
22	*NEWTON, WILLIAM HENRY ..	Lindhurst, Ramsey, Hunts.
22	*NICHOLLS, LEOPOLD ROY LANCELOT SILVESTER	17, St. John's Park Terrace, Winchester.
22	*NICHOLLS, PHILLIP CLAUDE ..	59c, Linden Gardens, Bayswater, W.2
23	NICOLLS, JACK WILFRID	14, Salehurst Road, Crofton Park, S.E.4.
23	*NIMMO, ERIC	Chinley, Broadstone, Hants.
21	*NORRINGTON, CHARLES FREDERICK	Coombe Dene, Woodside Road, New Malden.
23	*NOTT, ALAN FRANK	The Hall, Wickham St. Paul, Halstead, Essex.

Date of Election.	PROBATIONERS.	Address.
1923	*Osborne, Charles Henry ..	5, Melville Road, Coventry.
1923	*Oxley, Clifford Dent	Wellow House, Wellow, near Bath
1922	*Page, Ernest Walter	131, Spring Road, Kempston, Bed
1923	*Paice, William Robert	46, Cannon Hill Lane, Merton, S.W (Surrey).
1923	*Palmer, Godfrey Bennett ..	5, 6 & 7, Colosseum Terrace, Regent Park, N.W.1.
1923	*Parrett, John Rutter	135, Richmond Park Road, Bourn mouth, Hants.
1923	*Parrott, David George	c/o Messrs. Baxter Payne & Leppe Bromley, Kent.
1923	*Payne, Geoffry	134, Ravensbourne Avenue, Shor lands, Kent.
1923	*Peacock, Robert Molesworth	Park Cottage, Bromham, Bedford.
1923	*Peck, Frederick Edward ..	Four Oaks, Hatch End, Middlesex.
1922	*Penwill, Frank Ralph ..	Surveyors' Dept., Town Hall, Paign Devon.
1922	*Pepper, Walter	Cleveland Place, Hebden Bridge.
1923	*Perkins, Walter Mottram ..	21, Camden Square, N.W.1.
1922	*Phelps, Basil Llewllyn	"The Heath," Stourbridge, Worce shire.
1923	*Pope, Philip Montague	42, Tisbury Road, Hove, Sussex.
1923	*Porter, James William Richard	Old County Hall, Spring Garden S.W.1.
1922	*Prall, Henry Herbert ..	150, Eastgate, Rochester, Kent.
1923	*Pratley, Raymond Edward ..	26, Dunstan Road, Golders Gree N.W.4 (Middlesex).
1923	*Price, Ernest Hope	34, Preston Gardens, Willesden, N.W.10 (Middlesex).
1922	*Prichard, Richard Francis ..	Llwydiarth, Esgob, Llanerchym S.O., Anglesey.
1923	*Proctor, John	179, Gladstone Road, Barry, Gla
1923	Pugh, Norman John	Waterworks House, Spon End, Coventry.
1923	*Quayle, Wilfrid Taggart ..	9, Queens Terrace, Douglas, Isle Man.
1923	*Ramage, Ernest	21, Success Cottages, Philadelph Co. Durham.

Date of election.	PROBATIONERS.	Address.
1923	*Randall, Robert Henry Leslie	229, Westcombe Hill, Blackheath, S.E.3.
1923	*Read, Charles Travell ..	Surveyors Office, Urban District Council, Newmarket.
1923	*Real, Reginald Walter.. ..	100, Butler Road, Harrow, Middlesex.
1923	*Reavell, George Noble ..	1, Gordon Road, Wanstead, Essex.
1923	Reid, John Kerr	11, Warrington Road, Newcastle-on-Tyne.
1923	*Renny, Frederick Charles ..	5, Great College Street, S.W.1.
1922	*Richmond, Hubert Inglis ..	56, Great Cumberland Place, W.1.
1923	*Ridgway, Ivor	Heathencote, Towcester, Northants.
1922	*Ridgway, William	29, Clifton Road, Rugby, Warwickshire.
1921	*Rittener, Gerald	Mossville, Gledholt, Huddersfield.
1922	*Roberts, Albert Edward ..	Surveyor's Office, G.W. Rly., 164, Westbourne Terrace, W.2.
1923	*Roberts, Bryn	71, West Side, Clapham Common, S.W.4.
1923	*Roberts, Eric Vaughan	Beech House, Ashton-on-Mersey, Cheshire.
1921	Roberts, Gwilym Caradoc ..	10, Darlington Street, Cheetham Hill, Manchester.
1923	*Roberts, John Malcolm ..	South Bank, Lloyds Place, Blackheath, S.E.3.
1922	*Robson, Harold Leslie.. ..	Glenfield, Gladstone Street, Derby.
1923	*Rogers, Frederick Ionn ..	The Grove, Droxford, Hants.
1923	*Rolls, Harold Arthur	St. Omer, George Street, Leighton Buzzard.
1923	*Rose, James Luke	29, Julian Avenue, Horn Lane, W.3 (Middlesex).
1923	*Rowling, Maurice	Beechwood, Kendal, Westmorland.
1923	*Rubens, Alfred	10, Grove End Road, N.W.8.
1923	*Sadd, Arthur Gilbert	Y.M.C.A. Buildings, St. Helen's Road, Swansea.
1923	*Sandford, Herbert	6, Westholm, Letchworth (Garden City), Herts.
1923	*Saunders, Edmund Barnard ..	Fridays Hill Cottage, Fernhurst, Sussex.
1923	*Scorer, Frank Melville ..	19, Christchurch Road, Bournemouth.
1923	Searles, Charles Frank.. ..	Sidney Arms, Perry Street, Chislehurst, Kent.
1922	*Sharman, Eric Arthur	Farleigh. Osmond Road, Hove.
1923	*Sherwill, Frank Charles ..	Leyfields, Chipstead, Surrey.
1921	*Sherwood, Alfred	4, Elliotts Road, Tipton, Staffs.
1923	*Shipley, William Arthur ..	157, Marlborough Road, Bedford.

Date of Election.	PROBATIONERS.	Address.
1923	*Short, Charles	109, Charles Street, Springburn Glasgow.
1922	Simons, Horace Edward William	73, Kingsgate Street, Winchester.
1923	Skrimshire, Samuel George ..	Harrovian Lodge, Pinner Road, Northwood, Middlesex.
1922	*Slater, John Alfred	Mouldings, Whittingham Lane, Goosnargh, near Preston.
1923	*Slaughter, Stanley Harold George	33, Three Colt Street, Limehouse, E
1922	Smith, Maurice Giles	Millfield, Allington Road, New Sussex.
1922	*Smith, Thomas Robinson ..	8, Foulis Street, Glasgow, W.
1922	*Stacey, James Donald	111, Ritherdon Road, S.W.17.
1923	*Stedman, Douglas Wilson ..	110, Worting Road, Basingstoke.
1922	Stone, Kenneth Edward Day	Tugela, King's Ride, Camberle Surrey.
1923	*Story, John Anthony	3, Champion Road, Upminster, Essex.
1923	*Story, Thomas Hedworth ..	3, Champion Road, Upminster, Essex.
1923	*Strachan, Herbert Edward	93, Halesworth Road, Lewisham, S
1923	*Swynnerton, Frederick Richard	17, Colville Mansions, Powis Terra W.11.
1923	*Symmons, Eric Thorne	114, Dulwich Village, S.E.21.
1923	*Symmons, Gilbert Roy	37, Cranhurst Road, N.W.2 (Midd sex).
1922	*Tapping, Reginald Ernest ..	The Old House, Waddon, Surrey.
1923	*Tebbutt, Bert Henry	243, Oundle Road, Peterborough
1922	*Thomas, Haydn Lloyd	111, St. Helen's Road, Swansea.
1923	*Thompson, James Arthur ..	17, Page Street, Westminster, S.W
1923	*Thorne, Michael Christopher	c/o Chislett & Rawlence, Est Office, Wimborne, Dorset.
1922	Tollit, Francis John	11, Sussex Square, Brighton.
1923	Tollit, Gerald Andrew.. ..	11, Sussex Square, Brighton.
1922	*Tomkins, George Edward ..	The Grange, Dorothy Road, West Sussex.
1923	*Townend, Herbert Victor ..	14, Moss Street, Rochdale, Lancs
1923	*Trotman, Eric Cecil	26, Tarbert Road, Dulwich, S.E.
1923	*Tudor, Cecil William	216, Newtownards Road, Bloo field, Belfast.
1922	*Tunbridge, Graham	16, Somerset Place, Swansea.
1922	*Turner, John Hamilton ..	Westburton, The Park, Sidcup, K

Date of Election.	PROBATIONERS.	Address.
1923	*Ullathorne, Thomas Edwin ..	Millgate, Selby, Yorks.
1922	*Uridge, Walter	89, Bromley Road, Shortlands, Kent.
1922	*Vale, Gilbert Parry	"The Ferns," Pennfields, Wolverhampton.
1923	*Venour, Harold Alfred ..	Municipal Buildings, Liverpool.
1923	*Wagstaff, Frederick Arthur	Ellerslie, Campden Road, South Croydon.
1923	*Wainwright, Frank Langton	119, Moorgate, E.C.
1923	*Wakeford, Reginald Percy ..	Shere, Raymond Road, Wimbledon.
1923	*Walmsley, John	4, Yew Tree Terrace, Grimsargh, Preston, Lancs.
1922	Walthew, Raymond	Dee Villa, Meols, Cheshire.
1922	*Warburton, John Oldham ..	Bagillt Hall Farm, Holywell, N. Wales.
1922	*Ward, Edward Adley	c/o Ellis Son & Bowden, Bedford Chambers, Exeter.
1922	*Waring, William John	Barum House, Ena Avenue, Neath, Glam.
1923	*Watney, Henry Daniel Arthur	4a, Fredericks Place, Old Jewry, E.C.2.
1922	*Webb, William	8, Park Place, Huntingdon Road, York.
1922	*Weller, Ernest Powell ..	The Lodge, Ardington, nr. Wantage, Berks.
1921	Wetherell, John Robertson	47, Frenchgate, Richmond, Yorks.
1923	*Whitaker, Lawrence Leo ..	114, Wigan Road, Ashton-in-Makerfield, Lancs.
1923	*White, Harold Cedric	33, Park View Road, Addiscombe, Surrey.
1922	Whitehouse, Hotspur Christian	3, Telford Place, North Road, Wolverhampton.
1922	*Whittaker, Allen George Barry	3, Connaught Avenue, Mutley, Plymouth.
1922	*Whone, William Ernest ..	Aubrey House, Cowbridge, Glam.
1923	*Wickham, Lancelot Townshend	7, Grey Friars, Chester.
1923	Wilks, Geoffrey Stacey ..	Post Office, Eckington, nr. Sheffield.
1923	*Wilson, George Norman ..	Rose Hill, Kensington Road, Sunderland.
1920	*Windross, Norman Cyril ..	Yorkshire Insurance Buildings, Lowgate, Hull.
1923	*Windrum, Terence Walter Fletcher	94, Colney Hatch Lane, Muswell Hill, N.10 (Middlesex).

Date of Election.	PROBATIONERS.	Address.
1922	WINKWORTH, EDWARD HENRY ST. JOHN	Horsell Lodge, Woking.
1923	*WOOD, DANIEL MCNIVEN	66, Alexandra Parade, Glasgow.
1923	*WOOD, DOUGLAS ATTWOOD ..	c/o Messrs. Medley & Bown, 14 Ashley Road, Upper Parkstor Dorset.
1922	*WOOD, NORMAN CHAPMAN ..	Clydeville, Otley, Yorks.
1922	*WOODWARD, HENRY CHARLES ..	45, Fairfield Terrace, Newton Abb
1921	*WOODWARD, ROBERT WILLIAM NOBLE	Roydon, Marine Parade, Dovercou Essex.
1923	*WOOTTON, WILLIAM EWART ..	1, Alexandra Road, Bedford.
1923	*WRIGHT, ALBERT..	101, Earlham Road, Norwich.
1923	*WRIGHT, EDWIN WILLIAM ..	Woodfield, Beckenham, Kent.
1923	*WRIGLEY, ROGER	Fernlea, London Road, Shardlo Derbyshire.
1922	*YELLOLY, CLAUDE REGINALD ..	Como, Lombs Lane, Bury St. Edmu
1922	*YORSTON, JAMES HAROLD ..	City Surveyors' Office, Town Manchester.
1923	*YOUNG, ALEC	25, Empingham Hill, Stamford, Li

Total Number of Probationers, 356, carried to Summary, page 229.

Students.

STUDENTS.	Address.
Abbott, Howard Guy	23, Beaufort Road, Clifton, Bristol.
Abel, Sidney Vivian	100, Ilex Road, Willesden (Middlesex)
Absalom, Harold John	Breamore House, Station Road. Epsom, Surrey.
Angell, Francis Leslie	40, Hereford Road, Bayswater. W.2.
Ashton, George Venning ..	Bradworthy, North Devon.
Ashworth, Joseph Fletcher ..	28, Highfield Road, South Shore, Blackpool.
Atkinson, Hugh Stanley ..	Winslow, Bucks.
Atkinson, John Kenneth ..	3, Wembley Gardens, Aintree, Liverpool.
Bacon, Sidney George	13, Alderley Avenue, Claughton, Birkenhead.
Ball, Geoffrey Walter	Hazelbeech, The Drive, Rickmansworth, Herts.
Barrell, George Freeman ..	11, Avenue Road, Grantham.
Baucher, Reginald Herbert ..	Woodview, Radlett, Herts.
Berry, Alleyne William Steward	c/o Rumball & Edwards, St. Albans, Herts.
Bisset, James Basil	St. Anthony's, St. Mary's Hill, Paignton, Devon.
Blackwell, Cyril Saint Clair	The Beeches, Burnell Road, Sutton.
Bland, Edmund Arthur	The Cot, Oxendon, Market Harborough.
Boardman, Sydney	1028, Middleton Road, Chadderton, Lancs.
Brackett, William Robinson ..	4, Limetree Avenue, Retford, Notts.
Briselden, Frank George Ambrose	Langleybury, 24, Bromley Road, Catford, S.E.
Brown, Arthur Thomas	Gerrard's Lodge, Banstead, Surrey.
Browne, Ronald Edwin James	44, Church Road, Wimbledon, S.W.19 (Surrey).
Buckland, Philip Harry Beale	Goldwell, Great Chart, Ashford, Kent.
Burgess, Reginald Arthur ..	1, Dorset Terrace, Weymouth.
Butler, Leslie Turley	7, Glenshiel Road, Eltham Park, S.E.9.

Enrolled.	STUDENTS.	Address.
1923	CHAMBERLAIN, STANLEY JAMES..	53, New Road, Littlehampton, S
1922	CHAPMAN, JOHN HECTOR CLARKE	10, Belgrave Crescent, Scarboro
1923	CHAPPELL, ALFRED NOEL WOODLIFFE	18, Y Groes, Rhiwbina, Cardiff.
1923	CHAVASSE, KENNETH GRANT ..	17, Sandford Road, Bromley, K
1922	CLARK, JOHN	Bellister Castle, Haltwhistle.
1922	CLARKE, GEORGE STIRK	90, Kirkgate, Wakefield.
1922	COLEMAN, FRANK OSWALD	Ellel Vicarage, near Lancaster.
1923	COLEMAN, MATTHEW PEMBLETT	The Willows, Haydock, Lancs.
1922	COLLARD, WILFRID COVENEY ..	c/o M. P. Anderson, Menga Jesselton, British North Bor
1923	COLLINS, HARRISON GOULD ..	Tursley House, Mortimer, Berks.
1922	COOK, GERALD WILLIAM REID ..	White House, Linton, Cambridg
1923	CORBEN, HORACE EDWIN	2, Shirley Road, Southsea, Han
1923	CORNELIUS, BERNARD JAMES ..	Surveyor's Dept., Town Hall bers, Horsham.
1921	COTTON, JACK	34, Augustus Road, Edgbasto mingham.
1923	COWAN, GILBERT	7, Sea View Gardens, Roker, Su land.
1923	CRIPPS, RUSSELL MERTON	68, St. James' Avenue, Becken Kent.
1923	CROYSDILL, LESLIE CLIFFORD ..	20, Weston Road, Hove, Sussex
1922	CRUMP, EDWARD THOMAS	22, Riverleaze, Sea Mills, nr. B
1921	DALE, KENNETH KIRKHAM ..	60, Prospect Road, Moseley, E ham.
1923	DAVIES, LESLIE FRANCIS	Frenchay Lodge, Frenchay, B
1923	DAVIES, ROBERT FOULKES ..	3, Glan Aber, Dolwyddelen, C vonshire.
1922	DAVIS, JOHN PHILIP	81, Middle Lane, Hornsey, (Middlesex).
1922	DENTON, REGINALD MOORE ..	Fair View Road, Banbury, Oxf
1923	DESBOROUGH, DOUGLAS PHILADELPHIA	377, London Road South, Low Suffolk.
1923	DESCH, HAROLD ERNEST	Park Side, Tottenham, N.17 (M sex).
1923	DOWE, JOHN FRANCIS	9, Rosemount, Wallington, Su
1921	DUGGLEBY, JAMES RONALD ..	62, Mayfield Street, Hull.
1922	DULAKE, THOMAS SOWERBY ..	High Street, Lewes.

STUDENTS.	Address.
EASON, EDWARD BRUTON	83, Mount Nod Road, Streatham, S.W.
EGGAR, RICHARD KENNEDY ..	Carna, Ashstead, Surrey.
ELLIS, HARRY WHITTAKER ..	c/o District Estate Office, London, Midland and Scottish Railway, Eaton Street, Crewe.
ELLSON, ARTHUR	42, The Hill, Ilford, Essex.
EVANS, WILFRID	5, Beverley Gardens, Golders Green, N.W.4 (Middlesex).
EVE, ANTHONY DENYS	Weylea, London Road, Guildford.
FAIRBAIRN, DONALD GREY ..	19, College Street, Petersfield, Hants.
FARAGHER, GORDON SHONE ..	129, Whetstone Lane, Birkenhead.
FENTON-JONES, CHARLES LANGFORD	Fairholme, Wiltie Gardens, Folkestone.
FLETCHER, HARRY NEWTON ..	c/o Messrs. Cronk, Sevenoaks, Kent.
FORBES, ROBERT BRACEY	149, High Street, East Ham, Essex.
FOSTER, CHARLES GORDON ENGLAND	Eldwich, Hampton Hill, Middlesex.
FOWLER, ANGLESEY ALBERT WILLIAM	5, Bedford Road, Harrow.
FOX, JOHN ST. VIGOR	21, London Road, Salisbury.
FRAMPTON, LEONARD ARTHUR ..	84, Cambridge Road, Seven Kings, Essex.
FRASER, GEORGE BURTON	Iona, Southcote Road, Reading.
FREEMAN, WILFRED FRANK ..	Avonbank, Cavendish Road, Sutton, Surrey.
GARRETT, ALAN YOUNG	South Lodge, Chipstead, Surrey.
GATENSBURY, CHARLES EDWARD	Raven Chambers, Castle Street, Shrewsbury.
GATES, NORMAN	The Dène, Alresford, Hants.
GODDEN, LESLIE JOHN	52, High Street, Haverhill, Suffolk.
GRANT, DONALD	North Lodge, Dundas Estate, South Queensferry, West Lothian.
GRAYSON, HENRY GLADWYN ..	82, Cambridge Terrace, Hyde Park, W.2.
GREVILLE, SYDNEY HALPIN ..	3, Lonsdale Villas, Wembley, Middlesex.
GRIFFITHS, ARTHUR	2, The Triangle, Hampton-on-Thames, Middlesex.
HAAG, HENRY LEONARD	44, Meadow Road, S.W.8.
HANSLEY, JOHN WILLIAM CHARLES ..	48, Mayfield Road, Sanderstead, Surrey.

Enrolled.	STUDENTS.	Address.
1922	HARVEY, HEBER ROWLAND ..	County Surveyor's Office, Wes super-Mare.
1922	HAYNE, HERBERT DENIS	Agra House, Rothsay Place, Bed
1921	HENDERSON, GEORGE WILLIAM	Ashley Villa, Redworth Road Shildon, Co. Durham.
1923	HEYS, ARTHUR JAMES GRAHAM ..	17, Eynella Road, East Dulv S.E.22.
1923	HILL, ALBERT JAMES	7, St. Mark's Road, Kennington,
1922	HINDMARCH, NORMAN	11, Broadwood View, Chester-le-
1923	HOBBS, LESLIE ARMOUR	Sistrokeel, Julian Road, Folkes
1923	HODGSON, ARTHUR GEOFFREY SANFORD	Westons Place, Warnham, Suss
1923	HOLE, ROLAND RALPH	Swain Street, Watchet, Somers
1923	HOLMAN, MAURICE GEORGE ..	32, South Road, Hailsham, Su
1922	HOLMANS, LEONARD CHARLES ..	42, Warrington Crescent, W.9.
1923	HOLME, FRANK PHILLIPS	Headingley, Essex Street, Nor
1921	HOLMES, HARRY WILKINSON ..	Surveyors' Dept., Town Hall, C on-Sea.
1923	HOWELL, JOHN GORDON	53, Underhill Road, East Dul S.E.22.
1923	HUGGETT, RONALD NOËL	50, Motcombe Road, Eastbourn
1923	HUGHES, JOHN	Ty'n-y-Caeau, Llanrwst, North
1921	HUMFREY, BRIAN BOUTCHER ..	Rosemont, Cookham Road, head, Berks.
1923	HURT, REGINALD CHARLES WILLIAM	67, King Street, Derby.
1923	JAMES, BERNARD EDGAR	116, Fernlea Road, Balham, S
1923	JOHNSON, ERNEST LESLIE	40, High Street, Sandgate.
1922	JOHNSON, KENNETH MARR ..	5, Great College Street, S.W.1
1921	JOLLIFFE, HENRY WILFRED ..	Mill Hill Road, Cowes, Isle of
1923	JOURNEAUX, PERCY FREDERICK ..	15, Cranworth Road, Winches
1923	JOYNT, RICHARD DESMOND ..	9, Castlewood Avenue, Rath Dublin.
1923	KELLY, OLIVER CUTHBERT ..	42, Hazelwood Road, Northa
1922	KEMP, JAMES WALES WILSON ..	82, Pitt Street, Edinburgh.
1923	KENT, JOHN ARTHUR	Balna Howe, Terrace Mount, E mouth.
1923	KING, ALBERT	49, Warrender Park Road, Ed
1923	KITCHEN, ERIC DOUGLAS	Sandfield, Sandhill Lane, Mo Leeds.
1922	KRUSE, FRANK ROBERT	5, Chesterton Terrace, Cire Gloucester.

ed.	STUDENTS.	Address.
3	LAUDER, HENRY HULL	26, Parnell Place, Harold's Cross, Dublin.
2	LAWLEY, CHARLES RAYMOND ..	67, High Street, Blaina, Mon.
3	LAWRENCE-LAW, CHARLES FARMERY	6, Lendal, York.
3	LOCKWOOD, ARTHUR	37, Trafford Street, Preston.
3	LONGLEY, BASIL	The Beeches, Crawley, Sussex.
3	LUCAS, LASCELLES ARTHUR ..	2, Hermitage Road, Finsbury Park, N.
3	LYLE, ROY GORDON	176, Liverpool Road, Great Crosby, Liverpool.
3	LYNES, REGINALD JAMES HUNTER	Ashcroft, Riley Crescent, Penn Fields, Wolverhampton.
3	MCKECHNIE, PETER	13, Maxwell Street, Partick, Glasgow.
1	MANN, JOHN ROBERT BAGSHAW	41, Fitzroy Road, N.W.1.
2	MARCHANT, AUBREY ERNEST ..	Tickners, Hawkhurst, Kent.
3	MARR, WILLIAM	8, Brora Street, Riddrie, Glasgow
3	MASON, AUSTIN ELLIOTT	Tortington Manor, Arundel, Sussex.
2	MAY, HAROLD GEORGE	74, Croftdown Road, N.W.5.
2	MITCHELL, WILLIAM CHARLES ..	Eastville, Chirbury, Salop.
3	MOORE, ALFRED STEPHEN	Woodlands, Oakleigh Park, N.20 (Middlesex).
2	MOORE, FRANK EDWARD ..	c/o Bettington & Son, Palace Chambers, King Street, Hereford.
3	MORGAN, FRANK RICHARD	13, Winsham Grove, S.W.11.
3	MORRIS, JOHN FRANCIS	Black Hall, Kerry, Montgomeryshire.
3	MULDER, HIDDO JOHN	Veendam, Maidstone Road, Chatham.
3	MUNDAY, GUY MEREDITH BROOKES	c/o Hobbs & Chambers, Faringdon, Berks.
3	NEWCOMBE, ARTHUR ROY.. ..	Red House, Market Harborough.
3	NEWMAN, PHILIP ARTHUR.. ..	36, Westbere Road, West Hampstead, N.W.2.
3	NITSCH, MAURICE ARTHUR	43, Inglis Road, Ealing, W.5 (Middlesex).
	OFFEN, FRANK GEORGE	Taverner, Ranelagh Road, Deal.
3	OLDFIELD, JACK	Rydal House, Stonefield Street, Dewsbury.
	OSBORNE, LIONEL ERNEST CONDÉ	113, East Sheen Avenue, East Sheen, Surrey.
	OTTER, JOSEPH REUBEN HARRY..	41, Kingsley House, Beaufort Street, Chelsea.

Enrolled	STUDENTS.	Address.
1923	PARRY, OWEN HERBERT	18, Alma Road, Clifton, Bristol.
1922	PATTEMORE, LESLIE JAMES ..	Holyrood Street, Chard.
1922	PEARSON, ANDREW THOMAS NOEL	15, Hardwick Road, Palmer's G N.13 (Middlesex).
1921	PIPE, ALBERT WILLIAM	Thorpe, Eagle Lane, Snaresbrook, E and 9, Stone Buildings, E.C.2.
1922	PLASKETT, FREDERICK WILLIAM	38, Stokenchurch Street, Fulham S.W.6.
1923	POPE, CLEMENT GILBERT GEORGE	70, Holmside Avenue, Gillingha Kent.
1923	POTTER, JOHN MAXWELL	8, Oxford Terrace, Carlin How, Saltburn, Yorks.
1922	POULTON, EDWARD JOHN	39, Orlando Road, Clapham, S.W
1923	POWELL, MAYNARD HENRY ..	40, Woodstock Road, Moseley, B mingham.
1923	PRICE, DAVID RHYS	Gwynfryn, High Street, Penygr Carnarvonshire.
1923	PUTT, STANLEY WILLIAM	Uplands, Singlewell Road, Gravese
1923	PYE, ALMA	401, Shoreham Street, Sheffield.
1923	RENFREW, COLIN	14, Market Place, Chippenham, W
1922	RHYDDERCH, GWYN	Railway Tavern, Blaina, Mon.
1923	RICHARDSON, JOHN EDMUND ..	30, Portland Street, Derby.
1923	ROWBOTHAM, WILLIAM	99, Lancaster Road, Morecambe.
1922	ST. JOHN, REGINALD ARTHUR ..	139, Portsdown Road, Maida Va
1923	SALMON, RONALD	The Oaks, Plymouth Road, B Green, Worcestershire.
1922	SALTER, CHARLES ROBIN	Danefield, Purley Oaks Road, S stead, Surrey.
1923	SAMSON, CECIL LESLIE	6, Foxgrove Road, Beckenham
1923	SANFORD, JAMES RAY	Portland Lodge, Teddington.
1922	SENDALL, LESLIE FREDERIC ..	Holmdale, Arthur Road, Ho Sussex.
1923	SHARP, JOHN NEVILLE	46, Beaconsfield Villas, Bright
1923	SHEPHERD, WILLIAM JOSEPH LIONEL	14, Merton Hall Road, Wimbl S.W.19 (Surrey).
1923	SHEPPARD, WILLIAM HUTCHINGS	The Bank, Welshpool.
1921	SMITH, JACK GODWIN TOMLIN ..	Borough Engineer's Office, Tow Bournemouth.

led.	STUDENTS.	Address.
3	SMITH, WILLIAM STUART	82, Broadmead Road, Folkestone.
3	SQUIRES, ALAN OSCAR	9, Dallow Road, Luton, Beds.
3	STRIPP, HAROLD EDWIN GEORGE	Middle Road, Bells Yew Green, near Tunbridge Wells.
3	STURROCK, HERBERT G.	Cnoc-na-dail, Barnhill, Broughty Ferry, Scotland.
2	SWEETT, CYRIL	Westcombe, Oxgate Gardens, Cricklewood, N.W.2 (Middlesex).
3	SYKES, GEOFFREY HERBERT ..	51, York Road, Birkdale, Lancs.
3	TARRANT, ERIC ALEXANDER CHARLES	132, Hanover Road, Brondesbury Park, N.W.10 (Middlesex).
3	TAYLOR, COLIN	Esthwaite, Croston Road, Farington, Preston.
2	TAYLOR, JOHN BELMONT	Campshill House, Hither Green Lane, S.E.13.
3	TEVIOTDALE, GEORGE STRATHEARN	25, Hutton Drive, South Govan, Glasgow.
3	THOMAS, GEOFFREY RIVERS	28, Upper Park Road, Hampstead, N.W.
3	THOMPSON, ALFRED WILLIAM ..	25, Mundania Road, Honor Oak, S.E.
1	THOMPSON, WILLIAM	8, Crescent Gardens, Wimbledon Park, S.W.19 (Surrey).
3	THORNBORROW, TOM JEFFERSON	Barco Hill, Penrith.
1	TODD, JOHN THOMAS	Southern Rly., District Engineer's Office, East Croydon.
3	TOMLINSON, GILBERT JOHN ELLIOTT	Rockside, Station Road, Okehampton, Devon.
3	TOMLINSON, WILLIAM	4, Hilda Place, Saltburn, Yorks.
3	TOWNEND, WILLIAM BROOKE ..	Stanmore, Beechfield Road, Gosforth, Newcastle-on-Tyne.
2	TOWNSEND, NORMAN TALBOT ..	43, Outwoods Street, Burton-on-Trent.
2	TREGEAR, PHILIP ARTHUR.. ..	51, Seaside Road, Eastbourne.
3	WAGHORN, GILBERT FREDERICK HERBERT	Galverton, Harpenden Road, St. Albans.
2	WALSHE, HARRY WILLSON ..	8, John Street, Shoreham, Sussex.
2	WATSON, JOHN ALEXANDER ..	Brackenhill, St. George's Place, York.
3	WATSON, JOHN ARTHUR FERGUS	55, St. Charles' Square, W.10.
3	WATWOOD, GEORGE THOMAS ..	Greenwood Slade, Hednesford, Staffs.
3	WEBB, NORMAN APTHORPE ..	Newtown Hostel, Welwyn Garden City, Herts.

Enrolled.	STUDENTS.	Address.
1923	WELTON, WALTER KENNETH ..	10, Palace Avenue, Paignton, Devo
1923	WHATLEY, WILLIAM GEORGE ..	The Cottage, Melrose Hall, Wilbu Road, Hove.
1923	WHEELER, ELLA FLORENCE (MISS)	15, Upper Cheyne Row, Chelse S.W.3.
1923	WHEELER, ERIC MURRAY	67, Holden Road, Woodside Park, (Middlesex).
1923	WHITE, FRED LOUIS	School House, Saltburn-by-the-Se Yorks.
1922	WHITTLE, WILLIAM LESLIE ..	57, Cassio Road, Watford.
1922	WILFORD, JOSEPH CRAVEN ..	102, Denmark Road, Camberwell,
1923	WILKINS, HERBERT WALTER ..	Westview, Lauderdale Road, Hunto Bridge, Herts.
1923	WILLIAMS, FRANK HARRISON ..	4, Lorne Road, Waterloo, near Li pool.
1921	WILLIS, CHARLES	22, Hornby Terrace, Morecambe, La
1921	WILLOUGHBY, DONALD NELSON	c/o W. H. Willoughby, Esq., 9 Wimborne Road, Winton, Bourn mouth.
1921	WILSON, HENRY HOLT	Snape Hill, Rickinghall, Diss, Nor
1922	WINSER, JAMES KNIGHT	The Chase, Eversley, Winchfield, H
1923	WISEMAN, ERNEST	37, Monteagle Avenue, Barking, Essex.
1923	WRIGHT, NORMAN CHARLES ..	119, Ivor Road, Sparkhill, Birming
1923	WRIGHT, NORMAN HORACE.. ..	Highfields, Broadway, Peterborou
1923	WYATT, STANLEY WILLIAM ..	Devonia, Princess Road, Bour mouth West.
1923	WYATT, STUART	East Lodge, Fareham, Hants.

Total Number of Students, 207, carried to Summary, page 229.

SUMMARY.

Honorary Members	27
Fellows	2576
Colonial Fellows	123
Professional Associates	2685
Associates	43
Probationers	356
Students	207
Total	6017

NOTE.—To ensure the regular transmission of the Papers and Notices, it articularly requested that any changes of address be communicated at once he Secretary.

Members who have obtained the Special Diploma in Forestry.

Allison, Herbert William	6, Albion Street, Hull.
Aris, John Whitton, M.A. (*Oxon.*)	Lois Weedon, Denbigh Gardens, Richmond, Surrey.
Astbury, Charles Norman	20, Upton Park, Slough, Bucks.
Bunny, Joseph	Senior Conservator of Forests, Zaria, Nigeria.
Davies, William Gwynne Batchelor	14, Bell Street, Reigate.
Duchesne, Martin Collier	Farnham Common, Slough, Bucks.
Graham, Henry Cecil ..	5, Great College Street, Westminster Abbey, S.W.
Hosegood, Andrew Webber	Williton, Somerset.
Johnson, Herbert Davies	Fairfield Cottage, Great Budworth, near Northwich, Cheshire.
Le Sueur, Arthur Denis	22, St. George's Square, S.W.1.
MacBeath, David Keir ..	Broxwood, Sandbank, Argyleshire.
Madge, John	Somerset House, Chard, Somerset.
Martin, Thomas	39, Osborne Road, Palmers Green, N.13.
Maughan, John	Estate Office, Jervaulx Abbey, Middleham, S.O., Yorks.
Maw, Percival Trentham	Stricklands, Robertsbridge, Tunbridge.
Michelmore, Alfred ..	Gate House, Totnes, Devon.
Moiser, Cyril	Valuation Dept., 9, Hammet Street, Taunton.
Osmond-Smith, Francis Henry George, M.R.A.C.	3, Palace Road, Llandaff, Cardiff.
Owen, Thomas Burwood	12, West Street, Walsford, Wimborne Dorset.
Parker, Frederic William	Parks Department, L.C.C., New County Hall, S.E.1.
Pennington, Richard Watson	Cowbeech House, near Hailsham, Sussex.
Philpot, Clifford Needham	Priests House, Flixton, Bungay, Suffolk.
Pritchard, Henry A. ..	Forestry Commission, 1. Whitehall, S.W.
Sawyer, John Ashton ..	Monksacre, Abbott's Road, Winchester.
Stone, Cyril Frank	Lyngate, Belmont Road, Reigate.

Taylor, William Ling ..	100, Cromwell Road, S.W.7.
Thompson, John Clulow..	Smeeton House, Smeeton, Leicester.
Wheldon, Martin Lowish	5, Coney Street, York.
Wood, Leslie Stuart ..	East Grinstead, Sussex.
Wynne-Jones, Eric.. ..	c/o Messrs. Knight, Frank & Rutley, 20, Hanover Square, W.1.

Members who have obtained the Special Diploma in Sanitary Science.

Adkin, Benaiah Whitley	35, Lincoln's Inn Fields, W.C.
Assiter, Harry G.	The Weald House, Harrow Weald, Middlesex.
Bacon, Frank	25, Liverpool Street, E.C.
Briant. Bernard	200, Kennington Park Road, S.E.
Brown, Edgar Oswald ..	6, Russell Gardens, Golders Green, N.W.4.
Burkett-Smith, Cecil Sydney	31, St. Mary Abbott's Terrace, Kensington, W.
Burr, Harry	Willington, Bedford.
Chart, Christopher ..	Union Bank Chambers, Croydon.
Dunsmore, Gilbert ..	1, Garthorne Road, Honor Oak Park, S.E.
Freyberg, Herbert ..	8, Gray's Inn Square, W.C.1.
Gosling, John Henry Charles	Town Hall, Portsmouth.
Gudgeon, George Harold	The Auction Mart, Winchester.
Gumbrell, Leonard Barton	64, King Edward's Grove, Teddington, Middlesex.
Hamlyn, Eric Henley ..	5, Tavistock Road, Plymouth.
Hellicar, George Thomas	47, Woodberry Grove, Finsbury Park, N.
Hooper, Edgar Wilfred..	Haslemere, Beaufort Road, Reigate, Surrey.
Jones, Henry Arthur ..	3 and 4, Lincoln's Inn Fields, W.C.
Jull, Robert Charles ..	1, Cumberland Gardens, Tunbridge Wells, Kent.
Matthews, Maurice Kershaw..	77, Tottenham Court Road, W.

Melrose, Frank	3-4, Clement's Inn, W.C.2.
Mumford, Frank Septimus	103, Finborough Road, South Kensington, S.W.10.
Page, Stanley Hatch, C.M.G.	6, Queen Street, Ramsgate, Kent.
Pilditch, Sir Philip Edward, M.P.	Old Bond Street House, 6-8, Old Bond Street, W.
Power, William Alfred	54, Park Road, Faversham, Kent.
Reffell, Charles Arthur	Thorney, Ennismore Avenue, Guildford.
Richards, Walter Rowe	1, Alexandra Villas, Finsbury Park, N.4.
Sands, Hubert Covell, Lic.R.I.B.A. ..	Amhurst, Guibal Road, Lee, S.E.
Simmons, Edgar John ..	Station Place, Letchworth, Herts.
Smith, Cyril Herbert ..	Chilvester Hill House, Calne, Wilts.
Turner, Benjamin George	Wingrove House, Walmer, Kent.
Vernon-Inkpen, George Charles	40, Commercial Road, Portsmouth.
Vining, Eric Leslie Randall	97, Queen Street, Exeter.
Ward, Henry Payne ..	"Burleigh," Reigate Road, Redhill, Surrey.

Members who have obtained the Special Diploma in Rating.

Butler, Charles	Union Offices, Queen Street South, Huddersfield.
Crosby, Arthur Benson..	Union Offices, Parson's Lane, Bury.
Dalgliesh, Christopher..	1, Victoria Square, Reading.
Dawson, Henry Walker	c/o The Federation of Master Cotton Spinners' Association, Ltd., Royal Exchange, Manchester.
Daykin, Harry	Elmsley, Trowle, Trowbridge.
Dixon, Isaac	148, Brownlow Hill, Liverpool.
Heaton, John Joseph ..	2, Baildon Hall, Baildon, Bradford.
Hedley, Theodore Fenwick..	5, Northgate, Darlington.
Humphries, John Buckle	8, St. Margaret's Road, Bradford.
Kirkby, Reginald Guy, F.R.I.B.A.	17, Rosebery Crescent, Jesmond, Newcastle-on-Tyne.
Logsdon, Horace Stewart	49 & 50, Parliament Street, S.W.1.

Marsh, Frederick Stephen	7, Park Avenue, Northampton.
Matthews, Maurice Kershaw	77, Tottenham Court Road, W.
Milne, James Logie ..	43, Cannon Street, Birmingham.
Nye, George Vincent ..	118, North Side, Clapham Common, S.W.4.
Pitts, Douglas Yate ..	54, Huskisson Street, Liverpool.
Symes, Alfred George ..	Ashton, Cecil Park, Pinner, Middlesex.

Junior Meetings.

Chairman :

Stanley Vvyvian Hicks,
Lincoln House, 300, High Holborn, W.C.1.

Committee :

Herbert Sydney Grafton Bedells.	Horace Stewart Logsdon.
Bryan Arthur Champion.	Humphrey Crofts Powell.
Peter Ewan Crofts.	John Percival Rhys.
John Paul Cussons Done.	Charles Henry Riley.
Arnold Fielder Hooper.	Frank Geoffrey Taylor.
	James Rowland Toovey.

Honorary Secretary :

Edwin Lydall Savill,
51, Lincoln's Inn Fields, W.C.2.

List of County Branches.

JANUARY 1st, 1924.

Branch.	No. of Members of Branch.	Chairman and Address.	Hon. Secretary and Address.
BEDFORD, ESSEX, HERTFORD, AND MIDDLESEX	618	J. J. Done, Cricklewood, N.W.	A. W. Merry, 17, High Street Leighton Buzzard
BERKS, BUCKS, AND OXON	136	P. C. Holiday Bicester	A. S. Shorney, 1, Talfour Avenue, Reading
CAMBRIDGE, HUNTINGDON, NORFOLK, AND SUFFOLK	151	W. P. Theakston, M.B.E., Huntingdon	E. O. Hines, 340, Norwich Roa Ipswich.
CUMBERLAND AND WESTMORLAND	43	R. S. Woof, Lowther, Penrith.	T. Brown, St. Andrew's Churcl yard, Penrith
DEVON AND CORNWALL	1 9	F. W. H. Pinsent, Inland Revenue. Barclays Bank Chambers, Plymouth	J. F. Bowden, Bedford Chamb Exeter
GLOUCESTER, SOMERSET, AND NORTH WILTS	166	A. E. Petter, 25, Great George Street, Park Street, Bristol.	R. H. K. Price, 7, St. Steph Street, Bristol
HAMPSHIRE, DORSET, AND SOUTH WILTS	223	H. E. Duke Morland, Dorchester	A. S. Burnett, 2, High St Southampton
IRISH BRANCH	182	A. H Lee-Norman, Corballis, Ardee, Co. Lough	B. J. Newcombe, 10, Gra Street, Dublin
KENT	223	W. R. Elgar, Hillside, Sittingbourne	R. Cobb, Watlynge, nr. Roch
LANCASHIRE AND CHESHIRE	436	J. Herbert Hall, 1, Cooper Street, Manchester	D. O. Dunlop, 28, Brazen Street, Manchester
LEICESTERSHIRE, NORTHAMPTONSHIRE AND RUTLAND	77	W. Keay, 6, Millstone Lane, Leicester	J. L. Woolley, Rectory P Loughborough
LONDON (CITY AND EASTERN)	423	J. R. Lancaster, Crown Court, Cheapside, E.C.	G. L. Vigers, 4, Frederick's P E.C.
LONDON (NORTH WEST)	586	Cuthbert Lake, 9, Stone Buildings, Lincoln's Inn, W.C.	H. How, 41, Heath Street, H stead, N.W.3.
LONDON (SOUTH-WESTERN)	506	H. H. Skipper, M.B.E., Civil Engineer-in-Chief's Dept., Archway Block South, Admiralty, S.W.1.	B. Briant, 200, Kennington Road, S.E.
NORTHUMBERLAND AND DURHAM	125	W. J. Cochrane. 15, Thornhill Terrace, Sunderland	W. Turpin, 18, Eldon Sq Newcastle-on-Tyne
NOTTINGHAM, LINCOLN, AND NORTH DERBY	116	W C. C. Weetman, Estate Office, Osberton, Worksop	A. A. Walton, Exchange Nottingham
SALOP, HEREFORD AND MID-WALES	61	J. Edmonds Estate Office, Powis Castle, Welshpool, Montgomeryshire	A. M. Hickman, Pride Chambers, Shrewsbury
SCOTTISH	275	J. C. Murray, Pollok Estate Office, 120, West Regent Street, Glasgow	D. M. Mackay, 189, St. Vinc Street, Glasgow
SURREY	356	A. A. Brown, 83, High Street, Croydon	T. Brent, 8, Norbury Cre S.W.16.
SUSSEX	175	Gilbert Gardner, Crawley	R. M. Oglivie, Market Hayward's Heath
WALES (NORTH)	41	D. Evans, Valuer's Office, 10 & 12, Market Street, Carnarvon	D. A. Hardcastle, 4, Street, Carnarvon
WALES (SOUTH) AND MONMOUTHSHIRE	202	D. T. Davies, 33, Park Place, Cardiff	J. O. Watkins, 10 & 11, Helen's Road, Swansea
WARWICK, WORCESTER, STAFFORD, AND SOUTH DERBY	295	L. O. Mathews, 12, Waterloo Street, Birmingham	O. L. Mathews, 12, Wa Street, Birmingham.
YORKSHIRE	281	H. J. Watson, 6, Lendal, York	G. F. Weatherill, Valuation Victoria Avenue, Harro

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Local Distribution of Members under Counties.

The names of those Fellows who are or have been Provincial Chairmen are distinguished thus *.

BEDFORDSHIRE.

(Bedford, Essex, Hertford, and Middlesex Branch).

FELLOWS:

BROOK, HARRY	District Valuer's Office, 1st Floor, High Street, Bedford.
BURR, HARRY	Willington, Bedford.
CUMBERLAND, EDWARD ANTHONY ..	Luton, and Leighton Buzzard.
ELLIS, ARNOLD ROBERTSON	39, Kimbolton Road, Bedford.
EMERY, DOUGLAS WADE	District Valuer's Office, 2A, High Str Bedford.
*EVE, SIR HERBERT TRUSTRAM, K.B.E.	2, St. Paul's Square, Bedford.
FRANKLIN, BENJAMIN BELGROVE ..	33, King Street, Luton.
*HALL, CHARLES PELL	Park Farm Office, Woburn.
HOWES, WILLIAM TROTMAN, M.B.E	43, Lansdowne Road, Bedford.
MERRY, ARTHUR WALKER	17, High Street, Leighton Buzzard.
PERKS, HUGH EARL	2, St. Paul's Square, Bedford.
ROBINSON, JAMES CHARLES EVITT ..	Shirehall, Bedford.
SAMUEL, WILLIAM JOHN	42, Mill Street, Bedford.
TOMSON, MAYNARD	Bedford House, Luton.
TUTT, EDWIN THOMAS	Market Place, Ampthill.
WILSON, MALCOLM MILLAR	8, St. Paul's Square, Bedford.

PROFESSIONAL ASSOCIATES:

BAXTER, FRANK	The Cottage, Burr Street, Dunsta Beds.
CHENEVIX-TRENCH, HUGO ..	Park Farm House, Woburn.
ELLIOTT, CHARLES PYNSENT ..	Park Farm, Woburn, Bletchley.
FENNING, JOHN HENRY	8, St. Paul's Square, Bedford.
FOLL, WALLACE ARTHUR	Woburn Sands.
FOSTER, NORMAN BEAUMONT ..	Ampthill.
GUDE, CHARLES, JUN.	9, St. Paul's Square, Bedford.
HUNT, REGINALD WILFRID RICHARD	54, Westbourne Road, Luton.

TT, SAMUEL GILBERT, N.D.A. ..	Estate Office, Southill Park, Biggleswade.
ES, GEORGE	12, High Street North, Dunstable.
YHEW, HARRY BENJAMIN ..	5, Margetts Road, Newtown, Kempston.
RRY, ARTHUR JOHN	80, High Street, Bedford.
SSELL, ERNEST WILLIAM ..	County Agricultural Officer, Shire Hall, Bedford.
ITH, HAROLD	6, Tennyson Road, Bedford.
STON, JOSEPH AURELIUS	83, High Street, Bedford.
STON, JOSEPH GORDON WALKER	80, High Street, Bedford.
LLETT, HUGH	6, Bushmead Avenue, Bedford.

PROBATIONERS:

AN, GEORGE W.	73, Victoria Road, Bedford.
ARE, JOSEPH	186, Ampthill Road, Bedford.
LL, LESLIE CHARLES	28, Farrer Street, Kempston.
RRY, WILLIAM HASLAM	17, High Street, Leighton Buzzard.
GE, ERNEST WALTER	131, Spring Road, Kempston.
ACOCK, ROBERT MOLESWORTH	Park Cottage, Bromham, Bedford.
LLS, HAROLD ARTHUR	St. Omer, George Street, Leighton Buzzard.
IPLEY, WILLIAM ARTHUR ..	157, Marlborough Road, Bedford.
OTTON, WILLIAM EWART ..	1, Alexandra Road, Bedford.

STUDENTS:

YNE, HERBERT DENIS	Agra House, Rothsay Place, Bedford.
IRES, ALAN OSCAR	9, Dallow Road, Luton.

BERKSHIRE.

(Berks, Bucks, and Oxon Branch).

FELLOWS:

KIN, CHARLES DUNCAN	Wantage and Abingdon.
TTING, MERLIN FRANCIS JOSEPH	Meriden, Hamilton Road, Reading.
LCHER, EDWARD JOHN	Wantage.
UCKLAND, HENRY DUNEAU ..	Windsor.
CKLAND, SIDNEY CRAWFORD ..	Windsor.
TLER, ALBERT ERNEST	20, Broad Street, Wokingham.
AMBERS, WADDELOW NIX	c/o A. F. Hobbs & Chambers, Faringdon, Berks.
X, ARTHUR STANLEY	16, Queen Victoria Street, Reading.

*Dalgleish, Christopher	1, Victoria Square, Reading.
Davies, Rhys Wiltshire	15, Western Elms Avenue, Reading.
Egginton, Denys	150, Friar Street, Reading.
Gale, Harold James	Market Place, Wallingford.
Greenaway, Joseph Reginald ..	11, Friar Street, Reading.
*Haslam, Dryland	Friar Street Chambers, Reading.
Lambert, George Arrow ..	Victoria Chambers, Reading.
Maunsell, George Edward Scarlett	Burghclere, Newbury.
Millar, William Galt..	1, Arcade Chambers, Reading.
Neate, Arthur Webb..	8, St. Mary's Hill, Newbury, and Hungerford.
Peto, James Winder	6, Market Place, Reading.
Phillips, William Newton ..	10, Abbots Walk, Reading.
Rich, Robert..	Didcot.
*Rutherford, James Augustine	Estate Office, Highclere Park, Newbury
Showers, Francis William ..	Fairlawn, Caversham, Reading.
Stanford, George	102, Wokingham Road, Reading.
Strickland, William	London Road, Hungerford.
Watkinson, Harold Edward ..	9, Hemdean Rise, Caversham, Readi
White, Walter Ernest Coates ..	Arcade Chambers, Friar Street, Readi

PROFESSIONAL ASSOCIATES:

Adkin, Wilfrid Gibb	c/o Messrs. Adkin, Belcher & Bow Market Place, Wantage.
Body, Pelham Terry Cooper ..	80, Basingstoke Road, Reading.
Bourke, Geoffrey John.. ..	Monycrower, Maidenhead.
Brunt, Frank, Capt.	Sunnyside, South View Avenue, Cav sham, Reading.
Cole, Frederick William ..	Gatcombe, Ray Park Avenue, Maid head.
Collins, Sydney Herbert ..	28, Linden Road, Shinfield, Reading
Dawton, Harold Pullen ..	9, Oakley Road, Caversham, Readi
Dunn, William, Jun.	Hinton Farm, Twyford.
Dunster, Henry Frank	11, Brigham Road, Reading.
Gale-Hasleham, Dudley Alfred	c/o Messrs. Adkin, Belcher & Ad 10, High Street, Abingdon.
Granger, Norman Few	c/o Messrs. Hobbs & Chambers, Faringdon.
Hitchins, Walter William.. ..	University College, Reading.
Langford, Douglas Charles..	Gwithian, Broad Lane, Bracknell.
Paginton, Montague ..	Old Rectory Chambers, 2, Northbr Street, Newbury.
Perrin, Joel Williamson Henry	Crossfell, Tilehurst Road, Reading.
Piper, Percy James	4, Northumberland Avenue, Readi
Platt, Edward Poulter.. ..	169, Gosbrook Road, Caversham, R ing.

EY, STEPHEN GODDARD	17, Blagrove Street, Reading
YDEN, JOHN MARKETT	Covert Cottage, Whitchurch, Reading.
SE, RONALD CHARLES	c/o Mrs. Stradling, Cornwall House, Newbury.
RNEY, ARTHUR SHEPHERD ..	1, Talfourd Avenue, Reading.
LLBONE, HENRY JAMES	Streatley-on-Thames.
THGATE, CHARLES CROUCH ..	Twyford.
AKE, ROBERT FREDERICK WILLIAM	Old Rectory Chambers, 2, Northbrook Street, Newbury.
OMPSON, NEWTON DUKINFIELD	Beezes, Tylehurst, Reading.
VNSEND, CECIL PHILIP	Rossmead, Bath Road, Maidenhead.
RNER, RICHARD HENRY ..	High Street, Bracknell.

PROBATIONERS:

WS, WALTER AUGUSTUS ..	7, Waylen Street, Reading.
RRELL, CLIFTON GORDON ..	Messrs. Permain & Ferrell, 8, Station Approach, Reading.
LLER, ERNEST POWELL ..	The Lodge, Ardington, near Wantage.

STUDENTS:

LLINS, HARRISON GOULD ..	Tursley House, Mortimer.
ASER, GEORGE BURTON	Iona, Southcote Road. Reading.
MFREY, BRIAN BOUTCHER ..	Rosemont, Cookham Road Maidenhead.
NDAY, GUY MEREDITH BROOKES	c/o Hobbs and Cambers, Faringdon.

BUCKINGHAMSHIRE.

(Berks, Bucks, and Oxon Branch.)

FELLOWS:

ND, GERALD EDWARD ..	Buckingham.
OMLEY, ALAN	Town Surveyor's Office, Slough.
RLES, RICHARD STAFFORD ..	Woodside House, Chenies.
CHESNE, MARTIN COLLIER ..	Farnham Common, Slough.
IS, GEORGE EDWARD	"Penkridge," Chesham, Bucks.
NS, ERNEST SYDNEY	District Valuer, Amersham Hill, High Wycombe.
CH, SIDNEY	25, Priory Road, High Wycombe.
MILL, JOHN, B.A.	7, Amersham Hill, High Wycombe.
ES, DAVID JOHN	Hill Crest, High Wycombe.
CE, WILLIAM HARRY LYNE ..	272, Farnham Road, Farnham Royal.

RAFFETY, HAROLD VEZEY, O.B.E.	Underwood, Beaconsfield.
RAFFETY, PERCY CHARLES	30, High Street, High Wycombe.
SAMPLE, CHARLES HERBERT, O.B.E., B.A. (*Cantab.*)	Chilliswood, Parkhouse Road, Ge rards Cross.
*VERNON, ARTHUR	The Rockery, High Wycombe.
VERNON, ARTHUR STANLEY	41, High Street, High Wycombe.
WALLER, HORACE	7, Amersham Hill, High Wycombe.
WIGLEY, SIDNEY PRUDDEN	Winslow.
WILLIAMS, WILLIAM HERBERT ..	Bredward, Burnham.

PROFESSIONAL ASSOCIATES:

ASTBURY, CHARLES NORMAN ..	20, Upton Park, Slough.
BOURNE, JAMES ROBERT WYKEHAM	Eleanor Cottage, Chalfont St. Peter.
BRIDGER, ALEXANDER GUILLAN	Lulworth, Grimsdell Lane, Amersha
DICKSON, DUNCAN PETER	The Brambles, Iver Heath.
DUCK, GEORGE FRANCIS	Estate Office, Station Approach, G rard's Cross.
FLINT, ARTHUR	Rushmoor, Hazlemere, High Wycom
FOLL, WALLACE ARTHUR	Bletchley.
FROST, ALFRED CARDAIN	Station Gates, Beaconsfield.
GAMBELL, PHILIP CLAYTON	83, High Street, Newport Pagnell.
GOODLAND, HENRY EDWARD ..	Council Offices, Slough.
GOSSLING, RUPERT EMERSON ..	Market Place, Princes Risborough.
HARRISON, HENRY BEAUCHAMP ..	Newington House, Windsor.
HAYES, FREDERICK PERCY	The Thornes, New Road, Chesham.
HEDGES, OSCAR JOHN	15, Castle Street, High Wycombe.
HURCOMB, HAROLD FRANCIS ..	Baring Road, Beaconsfield.
JOHNSON, WILLIAM SPENCER ..	Milford Leys, Castlethorpe.
LAIRD, JOHN	High Street, Marlow.
LANE, ALFRED	35, Crendon Street, High Wycombe
LEE, ALFRED FREDERICK	36A, High Street, High Wycombe.
MAY, CYRIL ERNEST, CAPT. ..	Coombs, Thornborough, Buckingh
ODAM, GEORGE MAXWELL	County Hall, Aylesbury.
STRATTON, PHILIP	21, Walton Street, Aylesbury.
WALKER, RONALD SYDNEY ..	Plas Gwyn, Gerrards Cross.
WISE, WILLIAM CHARLES ..	Kenmure, Reynolds Road, Beaconsfi

PROBATIONER:

BOWYER, CHARLES PERCIVAL ..	18, Lansdowne Avenue, Slough.

STUDENT:

ATKINSON, HUGH STANLEY ..	Winslow.

CAMBRIDGESHIRE.

(Cambridge, Huntingdon, Norfolk, and Suffolk Branch.)

FELLOWS:

NNETT, CHARLES RICHARD ..	Isle of Ely County Council, County Hall, March.
IDWELL, JOHN EVANS, M.A. (*Cantab.*)	11, Benet Street, Cambridge, and Fox Hill, Great Shelford, Cambridge.
DWELL, PHILIP SHELFORD ..	St. Mary's Street, Ely.
ERETON, WALTER	The Milestone, Hills Road, Cambridge.
HALK, HENRY PHILIP..	Linton.
ANCIS, RONALD GARNHAM ..	33, Hills Avenue, Cambridge.
AY, PERCY WILLIAM	29, St. Andrew's Street, Cambridge.
DGKINSON, NORMAN JOSEPH ..	11, Bennett Street, Cambridge.
LLAND, THOMAS JAMES, JUN. ..	Station Road, Kennett.
NAS, HARRY MARSHALL, C.B.E...	27, Market Hill, Cambridge.
NAS, SAMUEL MARSHALL ..	27, Market Hill, Cambridge.
ENWRICK, GEORGE	Woodditton, near Newmarket.
URANCE, JOHN BIDWELL	Bank Chambers, Whitlesey.
RTIN, HEBER GAMBLING	Littleport, Isle of Ely.
CRUBY, WILLIAM THOMAS	29, St. Andrew's Street, Cambridge.
ITH, FRANK BRAYBROOKE, C.M.G., M.A. (*Cantab.*).	School of Agriculture, Cambridge.
HATLEY, ERNEST JAMES	Bernere, 31, Rock Road, Cambridge.

PROFESSIONAL ASSOCIATES:

RNARD, DENNIS CHRISTOPHER	South Lodge, Queen Elizabeth's Way, Cambridge.
RWELL, RICHARD NEWMAN ..	c/o Bidwell & Sons, St. Mary's, Ely.
ARDMAN, JOHN WILBERFORCE	Redroofs, Histon.
OWN, EDWARD JAMES	5, North Terrace, Cherryhinton, Cambridge.
TLIN, HENRY SELWYN	27, St. John's Road, March.
AN, HENRY WILLIAM	11, Benet Street, Cambridge.
AN, NOEL	School of Agriculture, University of Cambridge.
HER, EDWIN GRAINGER	60, St. Barnabas Road, Cambridge.
AIN, HENRY HERBERT BRETT ..	66, St. Andrew's Street, Cambridge.
AIN, PETER BOVILL	66, St. Andrew's Street, Cambridge.
RST, NORMAN	34, Hill's Avenue, Cambridge.
CALLUM, GRAYDON ARCHIBALD	c/o Ouse Drainage Board, Station Road, Cambridge.
RTIN, ALFRED GUY TRICE ..	County Hall, March.

Miller, Fred	The Hall Farm, Chesterton, Cambridge.
Peake, Albert Edward	County Hall, Cambridge.
Perkins, Frank King	7, Baldock Way, Hills Avenue, Cambridge.
Rutter, Arthur Lionel, M.A. (*Cantab.*)	63, Sidney Street, Cambridge.

ASSOCIATE:

Mackenzie, Kenneth James Joseph	Department of Agriculture, Cambridge.

PROBATIONERS:

Gee, Edward Rowland	13. Whewell's Court, Trinity College, Cambridge.
Read, Charles Travell	Surveyor's Office, Urban District Council, Newmarket.

STUDENT:

Cook, Gerald William Reid ..	White House, Linton.

CHESHIRE.

(Lancashire and Cheshire Branch.)

FELLOWS:

Bolton, Frank Holmes	"Eversley," Whaley Bridge.
Brady, Ralph Hollinshed, M.B.E.	17, Warren Street, Stockport.
Brown, William Ernest, D.S.O., M.C.	39, Pepper Street, Chester.
Carswell, Arthur Gemmell ..	Capesthorne, Chelford.
Cartwright, Alfred Stott.. ..	Council Office, Wilmslow.
Clark, Henry Denton	St. Peter's Churchyard, The Cross, Chester.
Crook, Felix	17, Hooley Range, Heaton Moor, Stockport.
Cropper, Richard Blaylock ..	5, St. Petersgate, Stockport.
Davies, Harold Cliffe	97, Mount Road, Higher Tranmere, Birkenhead.
Davies, Horace Francis, A.R.I.B.A.	28, Grange Road, Brook Lane, Chester.
Dorning, Arthur Harry	Holmleigh, Bowdon.

ELPHICK, GEORGE PELHAM	Inland Revenue, 23, Upper Northgate Street, Chester.
*HALL, JOHN HERBERT..	Mill House, Mobberley, near Knutsford.
HEWITT, FRANK	Rowsley, Bramhall.
HUTCHINS, GEORGE	Grosvenor Buildings, Newgate Street, Chester.
JOHNSON, HARRY LABRON	22, Elleray Park Road, Liscard.
*LINAKER, CHARLES EDWARD ..	Frodsham.
LINGARD, WILLIAM	Gorsefield, Davenport Park, Stockport.
MCCRACKEN, WILLIAM	Englesea House, Crewe.
*MILLS, WILLIAM EDWARD	57, Hamilton Square, Birkenhead.
MILNES, CHARLTON	57, Hamilton Square, Birkenhead.
NEWLING, ARTHUR GWYN ..	Langdale, Storeton Road, Prenton, Birkenhead.
*PAIN, COARD SQUAREY	Bebington.
RHODES, BERTRAM, B.SC.	Langley, Muriston Road, Hale.
RIGHTON, CHARLES SHIRT	18, Market Street, Marple.
ROBINSON, GRAHAM F. P., B.E. (*Dublin*)	The Oaks, Penyfford, near Chester.
STEPHEN, JAMES EMIL	Mollington, Chester.
STOCKS, FREDERICK WILLIAM ..	Town Hall Chambers, Middlewich.
*SWETENHAM, HENRY	49, North Gate Street, Chester.
SYMONS, GILBERT GEORGE, M.C.. ..	Messrs. Barker, Coppack and Wickham, St. Werburgh's Chambers, Chester.
TALBOT, JOHN HENRY..	70, Broadway Avenue, Wallasey.
TOMMIS, GEORGE HAROLD	Ravenswood, Wilmslow.
VOYCE, JOHN	3, Toleman Avenue, Lower Bebington.
WALLIS, JOHN DAVID	Stanecliff, Disley, Cheshire.
WENBORN, SIDNEY THOMAS, LT.-COL., S.R.E.S.	102, Watergate Street, Chester.
WILDING, JAMES	Town Hall, Runcorn.
WILLIAMS, HAROLD CEDRIC ..	72, Victoria Road, Birkenhead.
WRIGHT, ISAAC THOMAS..	61, West Bank Road, Devonshire Park, Birkenhead.

PROFESSIONAL ASSOCIATES:

ADKINSON, EDGAR HENRY ..	Moor View, Lumb Lane, Bramhall.
BATEMAN, FRANK GRAHAM ..	1, Stanley Place, Chester.
BEE, DAVID	17, Pepper Street, Chester.
BELL, CYRIL ROBERT	The Estates Office, High St., Tarporley.
CLEWORTH, WILLIAM ARMINE WALE	Bunbury, Tarporley.
COOKE, REGINALD ARTHUR ..	Crossfield House, Winsford.
CRAGG, WALTER	13, Clifton Road, Altrincham.
DAWSON, JOSEPH ARTHUR ..	7, Park Road South, Birkenhead.
DICKINSON, WILLIAM GREENHALGH	St. Werburgh Chambers, Chester.

Eastwood, Charles William ..	57, Parkgate Road, Chester.
Escolme, John	56, Hamilton Square, Birkenhead.
Firth, William James, A.M.I.C.E.	16, Sandhurst Road, Mile End Lane, Stockport.
Gandy, Robert Newton	Northwich.
Garner, Arthur, Jun.	Ecliffe, Torkington, near Stockport.
Griffiths, Harold	5, Hamilton Square, Birkenhead.
Heaton, Peter	43, Park Street, Northwich.
Henshaw, Lindley, M.C.	Oakleigh, Davenport Park, Stockport.
Hoult, Herbert	8, River View, New Ferry.
Hughes, Norman	Morva, King's Lane, Rock Ferry, Birkenhead.
Johnson, Herbert Davies	Fairfield Cottage, Great Budworth, near Northwich.
Lawton, William	227, Buxton Road, Macclesfield.
Marsland, Tom	Randal Carr, Elnor Avenue, Whaley Bridge, near Stockport.
Newell, Leopold Monk	c/o J. Newell, Esq., J.P., Intabene, Upton Road, Birkenhead.
Paton, Hugh	Arley Green, Northwich, Cheshire.
Peirce, Peter Carrington ..	30, St. Petersgate, Stockport.
Perkin, Charles	6, Old Road, Cheadle.
Prescott, Matthew Swift ..	2, Rivershill, Glebelands Road, Ashton-on-Mersey.
Price, George Stanley	Carlton House, Hawarden.
Price, John Rowland	102, Bradwall Road, Sandbach.
Pye, George Henry	Rocklyn, Barkers Lane, Ashton-on-Mersey.
Roberts, John	Churton Villa, Tarvin Road, Chester.
Saxon, Frederick Charles ..	Cathedral Chambers, St. Werburgh Street, Chester.
Shaw, Ernest	Borough Surveyor's Dept., Town Hall, Stockport.
Sheldon, Frederick Charles ..	7a, King Edward Street, Macclesfield.
Sheldon, Harold	Kinderton Street, Middlewich.
Slade, Isaac	The Hey, Claremont Road, West Kirby.
Smith, Charles Herbert	19, Ashburn Road, Heaton Norris, Stockport.
Sutton, Philip Rowley	Cranford, Bramhall Park, Cheadle Hulme.
Tallon, Joseph Francis	1, Bold Square, Chester.
Terry, Howard Vivian	Mickle Cottage, Mickle Trafford, Chester.
Watson, Arthur Briggs	52, College Drive, Rock Ferry.
Watt, Alexander Lindsay ..	Estate Office, High Legh, Knutsford.
Whipp, John Roland	Woodhey, Sylvan Avenue, Brooklands.

PROBATIONERS:

FITTON, JOHN HERALD	Oakacre, Wash Lane, Timperley.
FODEN, ARTHUR FERGUSSON ..	34, Parkbridge Road, Prenton, Birkenhead.
HEYWOOD, GEOFFREY HENRY ..	Christleton Lodge, Chester.
MABBOTT, HOWARD KILNER ..	Silverdale, Moss Lane, Ashton-on-Mersey.
MAPLES, JOHN THRESH	10, Kingsmead Road South, Oxton, Birkenhead.
ROBERTS, ERIC VAUGHAN ..	Beech House, Ashton-on-Mersey.
WALTHEW, RAYMOND	Dee Villa, Meols.
WICKHAM, LANCELOT TOWNSHEND	7, Grey Friars, Chester.

STUDENTS:

BACON, SIDNEY GEORGE	13, Alderley Avenue, Claughton, Birkenhead.
ELLIS, HARRY WHITTAKER ..	District Estate Office, London, Midland and Scottish Railway, Eaton Street, Crewe.
FARAGHER, GORDON SHONE ..	129, Whetstone Lane, Birkenhead.

CORNWALL.

(Devon and Cornwall Branch.)

FELLOWS:

*BEDDALL, HERBERT BOWMAN, N.D.A., M.B.E.	9, Strangway Terrace, Truro.
BEDINGTON, ALFRED CHRISTOPHER, A.M.I.C.E.	Council Chambers, Newquay.
BULTEEL, WALTER GORDON	Charlestown, St. Austell.
JEFFERY, FRANCIS WILSON	Star Castle, St. Mary's, Scilly.
*JENKIN, ARTHUR PEARSE	Trewirgie, Redruth, Cornwall.
TRESIDDER, HENRY EDMUND ..	24, Marlborough Road, Falmouth.
WALDER, WILLIAM GASKIN ..	Wave Crest, Looe.

PROFESSIONAL ASSOCIATES:

BINGHAM, WILLIAM RAPER	11, Pydar Street, Truro.
CLEMO, JAMES	2, Glencoe, Watering Hill, Mount Charles, St. Austell.
COWELL, HERBERT LEE..	Central Chambers, Newquay.
FRANCIS, EDWARD THORPE	Halliwell, Eastbourne Road, St. Austell.
HANCOCK, HENRY SYDNEY, JUN. ..	Sydney Place, St. Austell.
HARRISON, JAMES ALLEN ..	4, Treyew Road, Truro.
HOLLIS, HERBERT	Treneere, Budock, Falmouth.

KINGSTON, ARCHIBALD LAWRENCE	County Hall, Truro.
KNAPMAN, HARRY LETHBRIDGE	2, West Place, Albany Road, Falmouth.
LYNE, HARRY	Miramar, Tregolls Road, Truro.
PETER, ARTHUR GRANVILLE	Northernhaye, Launceston.
ROBERTS, HERBERT JOHN	Manor Office, Chy-an-Eglos, Marazion, S.O.
RUSE, JOHN	Moeteyuma, Higher Avenue Road, Falmouth.
STANIER, THOMAS MACPHERSON ..	Duchy of Cornwall Office, Liskeard.
STEVENS, ALFRED GEORGE ..	c/o F. Stevens, Esq., 4, Western Buildings, The Praze, Penryn.
TIDDY, DAVID GEORGE REGINALD	Assistant Surveyor's Office, Bodmin.
TRENCH, WALDO TALBOT	Grove Hill, Falmouth.

PROBATIONER :

MORCOM, PHILIP DENNIS	Stuart House, Liskeard.

CUMBERLAND.

(Cumberland and Westmorland Branch.)

FELLOWS :

*BIRKETT, TOM, M.B.E.	Foxton House, Penrith.
BROWN, TOM	St. Andrew's Churchyard, Penrith.
*HESKETT, WILLIAM JAMES	St. Andrew's Churchyard, Penrith, and Viaduct Chambers, Carlisle.
LAWRENCE, CHARLES PHILLIPS ..	8, Carleton Gardens, Stanwix, Carlisle.
LITTLE, WILLIAM	Hutton Hall, Penrith.
MITCHELL, JOSEPH	Devonshire Buildings, Carlisle.
RICHARDSON, GEORGE	5, Lonsdale Street, Carlisle.
ROOK, JOSEPH TAYLOR	22, Chatsworth Square, Carlisle.
*STANLEY-DODGSON, STANLEY DICKINSON	Estate Office, Somerset House, Whitehaven.
TIFFEN, JOHN HALL	20, Lowther Street, Carlisle.
*WATSON, HERBERT JOHN	St. Helen's, Cockermouth.
WILFORD, CECIL MARSHALL	Cathedral Chambers, Castle St., Carlisle.
*WOOF, ROBERT STEPHENSON ..	Lowther, Penrith.

PROFESSIONAL ASSOCIATES:

CHANT, ARTHUR GUY	274, Warwick Road, Carlisle.
COULTHARD, JOSEPH	Dalston, R.S.O.
DUFF, JOHN	75, Scotland Road, Carlisle.
GIBBINGS, OLIVER DURANT	30, Lowther Street, Carlisle.
GRAHAM, HENRY IRVING	Galegarth, Skinburness Road, Silloth.
HOLLIDAY, JOHN	Estate Office, Greysouthen, Cockermouth.
KNEWSTUBB, ALFRED	Long Marton, Carlisle.
LOCKWOOD, GEOFFREY OWEN, MAJOR, M.C.	County Surveyor, The Courts, Carlisle.
MUSGRAVE, HAROLD	c/o J. Birkett & Son, Land Agents, Penrith.
ROBB, THOMAS WRIGHT	15, Warwick Road, Carlisle.
ROBLEY, JOHN	Ingleberg, Beckermet.
TIFFEN, THOMAS WILLIAM	1, The Crescent, Carlisle.
WALCH, WILLIAM	Dacre Cottage, Graham Street, Penrith.
WALKER, IRWIN	19, Myddleton Street, Carlisle.
WHEELER, JOHN CAFFIN	20, Portland Square, Workington.
WRIGHT, JOHN	Brunswick House, Brunswick Square, Penrith.

ASSOCIATE:

HILL, JOHN SMITH, B.A., B.SC.(*Lond.*) | Estate Office, Greystoke, Penrith.

STUDENT:

THORNBORROW, TOM JEFFERSON | Barco Hill, Penrith.

DERBYSHIRE (NORTHERN PART).

(Nottingham, Lincoln, and North Derby Branch.)

FELLOWS:

*BARNES, GEORGE FREDERICK ..	New Square, Chesterfield.
BELL, WILLIAM JOHN	4, Highfield Road, Chesterfield.
DEACON, MAURICE	Chase Cliffe, Whatstandwell, near Matlock.
JENNER, WILLIAM	6, Gluman Gate, Chesterfield.
JONES, DAN IVOR	6, Gluman Gate, Chesterfield.
LONGSDON, ERNEST MOREWOOD ..	The Hollow, Little Longstone, near Bakewell.
MAY, THOMAS HENRY	"Harefield," Marlborough Road, Buxton.
MURRELL, SIDNEY JAMES	District Valuer, 6, Gluman Gate, Chesterfield.

PROFESSIONAL ASSOCIATES:

ATTLEE, EDWARD GUY	Green Lane, Burbage, Buxton.
BUNTING, ALFRED HENRY	Glendon, Knowleston Place, Matlock.
CLARK, WILLIAM ERNEST	42, Alfred Street, Ripley.
DAY, CYRIL WALTER	Victoria Buildings, Alfreton.
DREWRY, GEORGE HAYWARD.. ..	Hargate Hall, Miller's Dale, Buxton.
EWING, BERNARD STOPARD ..	40, Church Street, Birdholme, Chesterfield.
HAGON, LEONARD	Craig Ard, Carnfield Hill, Alfreton.
HARDY, CUTHBERT	91, Derby Road, Long Eaton, near Nottingham.
HUDSON, JAMES ALEXANDER ..	The Cottage, Ashgate, nr. Chesterfield.
MARSHALL, WILLIAM THOMAS, M.A. (*Oxon.*)	Thorn Tree, Matlock.
OGDEN, FREDERICK SORESBY ..	The Yews, Stanley, near Derby.
RYLATT, WALTER PUCKERING, A.R.I.B.A.	The Crescent, Hathersage.
TOMLINSON, FRED	Station Road, Brimington, Chesterfield.
WOODBURN, WILLIAM..	Eden Lodge, Stanley Street, Spital, Chesterfield.

PROBATIONER:

LINSLEY, ARTHUR JOHN SHAW ..	c/o Mrs. Siddall, 22, Porter Street, Staveley, near Chesterfield.

DERBYSHIRE (SOUTHERN PART).

(Warwick, Worcester, Stafford and South Derby Branch.)

FELLOWS:

CLAY, WILLIAM HENRY CHRISTY, A.M.I.C.E., O.B.E.	Estate Office, Midland Railway, Derby.
*FULLER, THOMAS ALFRED	The College, All Saints', Derby.
HEWITT, CHARLES RICHARD	122, London Road, Derby.
HOOLEY, ARTHUR JOHN..	The College, All Saints', Derby.
LEWIS, GEORGE ALFRED	Midland Road, Derby.
LEWIS, PERCY WILLIAM	Park Leys, Duffield, Derby, and Midland Road, Derby.
MITTON, HENRY EUSTACE	Ormonde Fields, Codnor, Derby.
PAYTON, EDMUND	2, Mill Hill Road, Derby, and Crompton's Bank Chambers, Midland Road, Derby.
PHIBBS, HARRY, A.R.I.B.A. ..	Grindelford School.

Russell, Frederick James ..	c/o J. and W. Heathcote, The Mart, Derby.
Tomlinson, Thomas	2, St. James's Street, Derby.
Wells, Arthur Harvey	8, Stafford Street, Derby.
Whitaker, Hugh	Valuation Office, 8, Stafford Street, Derby.

PROFESSIONAL ASSOCIATES:

Cossar, Edgar Leslie	Park House, Station Road, Borrowash, near Derby.
Eaton, George Morley	The Close, Radbourne, near Derby.
Elwell, Eric Reginald	Bank Chambers, Albert Street, Derby.
Fisher, James Thomas..	8, Stafford Street, Derby.
Gandy, Harold	Bailey Croft House, Wirksworth, Derby.
McCallum, Peter Service	Holly Bush House, Osmaston Road, Derby.
Marshall, Tom Owen	Estate Office, Midland Railway, Derby.
Marshall, Walter Kinsman ..	Radbourne Estate Office, near Derby.
Page, John Thomas	36, Strutt Street, Derby.
Ragg, Frederick Reginald ..	The Poplars, Leopold Street, Derby.
Savage, Richard Bruce	Clifton House, Whaley Bridge.
Sharpe, Henry Ernest	236, Osmaston Road, Derby.
Thompson, Frederick Hubert ..	20, Corn Market, Derby.

PROBATIONERS:

Robson, Harold Leslie	Glenfield, Gladstone Street, Derby.
Wrigley, Roger	Fernlea, London Road, Shardlow.

STUDENTS:

Hurt, Reginald Charles William	67, King Street, Derby.
Richardson, John Edmund ..	30, Portland Street, Derby.

DEVONSHIRE.

(Devon and Cornwall Branch.)

FELLOWS:

ANDREWS, THOMAS HAWKES ..	"Barnburgh," Pennsylvania Hill, Exeter.
BAKER, ERNEST JOHN	Works Department, H.M. Dockyard, Devonport.
BODDINGTON, PERCY EDGAR.. ..	c/o Superintending Valuer, 51, Queen Street, Exeter.
*BODY, ARTHUR, A.R.I.B.A.	22, Lockyer Street, Plymouth.
BOURNE, ROBERT ELLIOTT	Elwell, Totnes.
*BOWDEN, HARRY	Wilts and Dorset Bank Chambers, George Street, Plymouth.
*BOWDEN, JOHN FRIENDSHIP ..	Bedford Chambers, Exeter.
BRAY, JOHN SANDERS	18, Cathedral Yard, Exeter.
BURNETT, JOHN, MAJOR	Estate Office, Stoodleigh, Tiverton.
CHAMPERNOWNE, AMYAS WALTER	c/o The Manager, Lloyd's Bank, Sidmouth.
*DREW, HENRY ALBAN	24, East Southernhay, Exeter.
*DREW, JOHN GOULD, B.A. (*Oxon.*)	24, East Southernhay, Exeter.
*ELLIS, ALBERT EDWARD	Bedford Chambers, Exeter.
*FENTON, ADAM DOUGLAS	Maristow Estate Office, Roborough.
FOSTER, JAMES HERBERT FURMEDGE	The Rolle Estate Office, Exmouth.
FOX, FREDERICK RUSSELL	Grove Hill, Barnstaple.
GOSS, HARRY CHARLES	2A, Fleet Street, Torquay.
HALLETT, WILLIAM BROWN ..	Essworthy, Yelverton.
HAMLYN, ERIC HENLEY	5, Tavistock Road, Plymouth.
HARRISON, GEORGE JOHN ROBERTSON	Valuer's Office, 20, Princes Square Plymouth.
HOSKING, WILFRID	Central Chambers, Princes Square, Plymouth.
KERSLAKE, THOMAS HENRY	Estate Office, Cockington, Torquay.
KNUBLEY, MILES PONSONBY ..	c/o Superintending Valuer, 51, Queen Street, Exeter.
LIVING, ROBERT	Clooneavin, Lynton.
*LUCAS, JOHN ARCHIBALD, F.R.I.B.A.	Guildhall Chambers, High Street, Exeter.
MATTHEWS, DOUGLAS PERCIVAL	Valuer's Office, Barclay Bank Chambers, Princess Square, Plymouth.
*MICHELMORE, ALFRED	Gate House, Totnes.
PAYNTER, E. ERNEST W., N.D.A. (Hons.), N.D.D.	Highlands, Berealston.
PEARSE, THOMAS WILLIAM	The Green, Modbury.
PEARSE, WILLIAM	Stoliford, Modbury.
*PINSENT, FRANCIS WINGFIELD HOMFRAY	Inland Revenue, Barclay's Bank Chambers, Plymouth.
*RENDELL, ARTHUR STEPHEN ..	Market Terrace, Newton Abbot.

ROFF, HENRY GRIFFITHS	1, Cross Street, Barnstaple.
*RUNDLE, EDWARD COLLINS.. ..	Bedford Office, Tavistock.
SMYTH-RICHARDS, FREDERICK GEORGE	Tilery Cottage, Filleigh, South Molton.
*SMYTH - RICHARDS, GEORGE COBLEY, O.B.E.	Estate Office, Castle Hill, near South Molton.
*STAPLEDON, ERNEST ALLEN ..	Bridge Chambers, Bideford.
STEVENSON, ARTHUR GAVIN ..	Greygarth, Budleigh Salterton.
*TORY, JOHN EDWARD	Valuation Department, 51, Queen Street, Exeter.
VINING, ERIC LESLIE RANDALL ..	97, Queen Street, Exeter.
WADE-DALTON, WILLIAM LECHMERE	Saltram Estate Office, 1, Buckland Terrace, Plymouth.
WALMSLEY, ARTHUR TINDAL, MAJOR	5, Osborne Villas, Stoke, Devonport.
WARD, ALEXANDER HENRY ..	Cumurrew, Yelverton, R.S.O.
*WARD, DANIEL	Brooklands, Tavistock.
*WARD, FRANK..	Burnville, Tavistock.
*WHITTON, PERCY	20, Queen Street, Exeter.
WOODCOCK, ROBERT FRANK	Superintending Valuer, 51, Queen Street, Exeter.
WRIGHT, CHARLES LEE..	21, Cathedral Yard, Exeter.

PROFESSIONAL ASSOCIATES:

BAKER, ERNEST JOHN	Uffculme.
BAKER, GEORGE WILLIAM ..	14, St. James' Terrace, The Hoe, Plymouth.
BAXTER, HAROLD JOHN	3, High Street, Totnes.
BLISS, THEODORE STEVEN	Bedford Office, Tavistock.
BLYTH, HAROLD KING	c/o Superintending Chief Engineer's Dept., H.M. Dockyard, Devonport.
BRAYSHAW, HENRY HARCOURT	16, Fore Street, Kingsbridge.
CHALLICE, JOHN	7, Bedford Circus, Exeter.
COULDREY, HERBERT MILL	Sunniva, Paignton.
COX, GORDON WILKINSON	Kinbrae, Chelston, Torquay.
DREW, JOHN DENYS	24, East Southernhay, Exeter.
FLOWER, JOHN JAMES	Seale-Hayne Agricultural College, Newton Abbot.
FOOT, WILLIAM GEORGE	41, High Street, Totnes.
HAMMICK, GEORGE FREDERICK ..	Estate Office, Kingsteignton, S. Devon.
HASLEHUST, ERIC THOMASSET ..	Manor Office, Yealmpton.
HILLS, WILLIAM THOMAS	Lorraine, St. Paul's Road, Paignton.
HOLDITCH, CHARLES STANLEY ..	21, Lockyer Street, Plymouth.
HOLE, WILLIAM GERALD	Bovey Tracey.
LEWIS, ORPHEUS WILLIAM HENRY, CAPT., M.B.E.	47, George Street, Plymouth.

LUMLEY, FREDERICK ROBERT ..	Mamhead Park, Exeter.
NEWMAN, CLAUDE EDWIN SANDYS	17, Morton Crescent, Exmouth.
PEARSE, WALTER PITTS	Barncott, Plympton.
PERRIN, FRANK JANES	Bridge Buildings, Barnstaple.
RADDALL, THOMAS	3, Ermington Terrace, Plymouth.
SAUNDERS, EDWARD YOUNGS ..	Borough Surveyor's Office, Barnstaple.
SOUTHCOMBE, JOHN CHARLES.. ..	Bridge Buildings, Barnstaple.
WARD, CECIL GORDON	44, Headland Park, Plymouth.
WARD, EDWARD JOHN	1, Burgoyne Villas, Alma Road, Plymouth.
WARD, EDWARD REX	7, Fore Street, Okehampton.
WARD, FRANK, JUN.	Burnville, Tavistock.
WARD, PASCOE LEIGH	Chumleigh.
WILKINSON, HENRY THEODORE ..	Brentor, Tavistock.
WILLIAMS, WILLIAM HENRY ..	7, Fort Terrace, Barnstaple.
WONNACOTT, JAMES PALMER.. ..	c/o Superintending Valuer, 51, Queen Street, Exeter.
YELF, JACK ROBERT	The Manor House, Kingsbridge.

PROBATIONERS:

ELLIS, LEONARD PERCIVAL SNOW	The Barton, Dunchidcock, nr. Exeter
HEAL, CLIFFORD HENRY	62, Fore Street, Totnes.
HELMORE, LEONARD MERVYN ..	3, Danes Road, Exeter.
MOORE, LEWIS JACK	Templeton, Bridge Road, Torquay.
PENWILL, FRANK RALPH, M.R.San.I.	Surveyors' Dept., Town Hall, Paignton
WARD, EDWARD ADLEY	c/o Ellis, Son & Bowden, Bedford Chambers, Exeter.
WHITTAKER, ALLEN GEORGE BARRY	3, Connaught Avenue, Mutley, Plymouth.
WOODWARD, HENRY CHARLES ..	45, Fairfield Terrace, Newton Abbot.

STUDENTS:

ASHTON, GEORGE VENNING ..	Bradworthy.
BISSET, JAMES BASIL	St. Anthony's, St. Mary's Hill, Paignton
TOMLINSON, GILBERT JOHN ELLIOTT	Rockside, Station Road, Okehampton
WELTON, WALTER KENNETH ..	10, Palace Avenue, Paignton.

DORSETSHIRE.

(Hampshire, Dorset, and South Wilts Branch.)

FELLOWS:

ALLEN, AUBREY JAMES	Half Moon Street, Sherborne.
BIRCH, FRANCIS JULIAN LAURENCE	Adcroft House, Bourton.
BURCH, ARTHUR EDWIN	Earl of Wilton's Estate Office, New Street, Weymouth.
*CANDY, WALTER EMMANUEL ..	Encombe, Wareham.
CRICKMAY, HARRY WILLIAM ..	49, St. Mary Street, Weymouth.
*DAY, GEORGE CARLETON	Estate Office, Woodbridge, Shaftesbury.
DUKE, AUGUSTUS BARNABY CYRIL	West End House, Martinstown, nr. Dorchester.
*DUKE, EDWARD	Dorchester.
*DUKE, HENRY EDWARD	Morland, Dorchester.
ELFORD, JOHN	Eastlea, Wimborne Road, Poole.
HIBBS, NORMAN HADLEY	c/o Messrs. Maggs & Maggs, Alton Chambers, Parkstone.
HOARE, ARTHUR JOHN	District Valuer's Office, 28, High West Street, Dorchester.
MEABY, THOMAS JAMES	Canford Estate Office, Wimborne.
MORRISH, WILLIAM JAMES MARMADUKE, B.A., F.R.I.B.A.	Wyke Road, Gillingham.
RAWLENCE, ARTHUR RAYMOND ..	Glenart, Newland, Sherborne.
*RAWLENCE, JAMES	The Estate Office, Wimborne.
*RICHARDS, GEORGE EDWARD ..	Stour Lodge, Wimborne.
*SANCTUARY, CAMPBELL FORTESCUE STAPLETON	Bridport.
SANCTUARY, CAMPBELL THOMAS, CAPT.	Bridport.
*SENIOR, HARRY SAMUEL	Sturminster Newton.
WHEATLEY, STEPHEN GLADSTANE, MAJOR, R.E.	91, High Street, Poole.

PROFESSIONAL ASSOCIATES:

ARMSTRONG, CLIVE HEATH ..	Courthill, Bournemouth Road, Parkstone, Dorset.
BOON, ERNEST GEORGE FREDERICK	The Woodlands, Dorchester.
INGRAM, EDWARD CECIL	The Cottage, Sturminster Newton.
JAMIESON, WILLIAM ARTHUR ..	Borough Engineer's Office, Weymouth.
KAY, GEORGE	District Valuer's Office, 28, High West Street, Dorchester.

OWEN, THOMAS BURWOOD	12, West Street, Walsford, Wimborne.
PRANCE, CHARLES WILLIAM ..	Council Offices, Wimborne.
SPARKS, FERNLY GEORGE	Royal Naval Cordite Factory, Holton Heath, near Wareham.
STANFORD, FRANK ERLYSMAN	Council Offices, Dorchester.

PROBATIONERS.

BRACKER, STANLEY EWART ..	Ulmus, Lyell Road, Upper Parkstone
CLARKE, HAROLD BERTRAM ..	St. Martin's, Garland Road, Poole.
DAMEN, HUBERT EDWARD	Westward Ho, Dudsbury Avenue, Ferndown.
THORNE, MICHAEL CHRISTOPHER	c/o Chislett & Rawlence, Estate Office Wimborne.
WOOD, DOUGLAS ATTWOOD ..	c/o Medley & Brown, 140, Ashley Road, Upper Parkstone.

STUDENT:

BURGESS, REGINALD ARTHUR ..	1, Dorset Terrace, Weymouth.

DURHAM.

(Northumberland and Durham Branch).

FELLOWS:

ASKWITH, ARTHUR	29, Nevilledale, Durham.
CLARK, NATHANIEL	Holly Lodge, Ebchester.
COATES, FREDERICK ERNEST.. ..	5, The Craiglands, Sunderland.
*COCHRANE, WILLIAM JAMES ..	15, Thornhill Terrace, Sunderland.
HEDLEY, THEODORE FENWICK ..	5, Northgate, Darlington.
MATKIN, GEORGE EDWARD	Town Hall, Sunderland.
*MILLER, JOHN EZRA	4, Brookside Terrace, Sunderland.
MORTON, WILLIAM	45, John Street, Sunderland.
OLIVER, CHARLES EDWARD	Consett Iron Co., Ltd., Consett.
PROWSE, ALBERT EDWARD, M.B.E.	Lambton House, Birtley.
RAE, THOMAS HERDMAN..	17, Fawcett Street, Sunderland.
REID, EDWARD DECIMUS	7, Ashwood Terrace, Thornhill, Sunderland.
ROWLANDSON, SAMUEL MESSITER, CAPTAIN..	The College, Durham.
SOUTH, ARTHUR EDWARD	1, Victoria Road, Darlington.
SPAIN, JOSEPH, LT.-COL., F.R.I.B.A.	The Nook, East Boldon, S.O.
STUART, FRANCIS DONALD ..	Valuation Office, 1, Victoria Road, Darlington.
WILLEY, FREDERICK, F.R.I.B.A.	34, Old Elvet, Durham.

PROFESSIONAL ASSOCIATES:

ARMOUR, ANDREW LAMONT, B.SC.	54, Bewick Road, Gateshead.
AYNSLEY, JOHN THOMAS OLIVER	Leeholme Road, Coundon.
BATCHELOR, PERCIVAL	14, Blackwellgate, Darlington.
BOWES, ALFRED STANLEY	North Holme, Whitburn, Sunderland.
BURKITT, HAROLD, M.SC. (*Durham*), N.D.A.	Glenside, Etherley Lane, Bishop Auckland.
CARNABY, HAMMOND RIDLEY ..	34, Hepscott Terrace, South Shields, Durham.
CHEYNE, ALEXANDER	Durham County Council, Sedgefield, Ferryhill.
CHILTON, ARTHUR FRANCIS ..	7, Langholm Crescent, Darlington.
CLAYTON, JOSHUA	60, Orchard Road, Darlington.
DUNBAVAND, EUSTACE..	6, Grange Road, West Hartlepool.
EADE, CHRISTOPHER AYLMER ..	Branson House, Darlington.
EELES, HENRY SWANSTON ..	Greencroft Park, Lanchester.
GIRVEN, FREDERICK WILLIAM ..	Surveyor's Dept., R.D.C. Offices, Easington.
GORE, GEORGE PYM..	81, Bondgate, Darlington.
GOULDING, GEORGE DIXON.. ..	2, Mount Road East, Sunderland.
GRAHAM, EDWARD	Union Offices, Chester-le-Street.
HARRISON, ARTHUR	The Hermitage, Norton-on-Tees.
HARRISON, WILLIAM MICHAEL ..	Dunoon, Greenbank Road, Darlington.
HESLOP, JOHN REDVERS	The Oaks, Burnopfield.
HEWSON, CHARLES GEORGE	64, Victoria Embankment, Darlington.
HINDMARSH, JAMES	7, Institute Terrace, Bearpark, Durham.
MILBURN, WILLIAM, JUN.	8, Thornhill Park, Sunderland.
MINORS, ERNEST, B.SC. (*Lond.*), A.M.I.C.E.	Borough Surveyor's Office, Town Hall, Darlington.
PARKER, ROBERT..	67, Lichfield Street, Gateshead.
PEAT, ROBERT WRIGHT	Estate Office, Staindrop, Darlington.
PEGGE, JOHN THOMAS	The Anchorage, Durham.
RICHARDSON, BENJAMIN	William Street, Houghton-le-Spring.
SEDGWICK, ERNEST..	12, Waterloo Place, Sunderland.
STEWART, CUTHBERT BERTRAM	29, Stanhope Road, Darlington.
THOMSON, DAVID	County Court Buildings, Elvet Waterside, Durham.
WAITE, GEORGE DAWSON	Lacton, Linden Avenue, Darlington.

PROBATIONERS:

ABBEY, JOHN BARWICK	The Mount, Gilesgate, Durham.
HALL, PERCY	Croxdale View, Station Avenue, Brandon Colliery.
RAMAGE, ERNEST	21, Success Cottages, Philadelphia.
WILSON, GEORGE NORMAN ..	Rose Hill, Kensington Road, Sunderland.

STUDENTS:

Cowan, Gilbert	7, Sea View Gardens, Roker, Sunderland.
Henderson, George William ..	Ashley Villa, Redworth Road, New Shildon.
Hindmarch, Norman..	11, Broadwood View, Chester-le-Street.

ESSEX.

(Bedford, Essex, Hertford, and Middlesex Branch.)

FELLOWS:

Aylott, Joseph	Green Lanes, Goodmayes.
Bate, Ernest Montagu	The Rowans, Fourth Avenue, Frinton-on-Sea.
Belcham, Alan Syer	126, Hamlet Court Road, Westcliff-on-Sea.
Clark, Duncan Walter	St. Runwalds, 3, West Stockwell Street, Colchester.
Clark, William Henry	55, Crouch Street, Colchester.
Clarkson, William	53, Finchley Road, Westcliff-on-Sea.
Clarkson, William, Jun.	9, Valkyrie Road, Westcliff-on-Sea
Coverdale, Frederick John ..	Billericay.
Daniell, Frederick Stanley ..	Head Gate, Colchester.
Goadby, Howard, Lt.-Col... ..	17, Cossington Road, Westcliff-on-Sea.
Hilliard, George Edward	Chelmsford.
Horser, Cotterell Walter ..	65, Cleveland Road, South Woodford N.E.
Hunnings, Arthur	112, Baxter Avenue, Southend-on-Sea.
Kemsley, William Hugh ..	Woodford Green.
Line, Frederick James	Valuation Office, 54, Hamlet Court Road, Westcliff-on-Sea.
Low, James Bartlett Hyde ..	74, Duke Street, Chelmsford.
Neil, David Maxwell	13A, Westcliff Park Drive, Southend-on-Sea.
Oakley, Christopher Percival	29, Romford Road, Stratford, E.
Parker, Charles Alfred	Woodham, Mortimer Place, Maldon.
Pemberton, Basil Charles ..	21, Irvine Road, Colchester.
Pierce, Edward Lemuel ..	Valuer's Office, Inland Revenue, Romford.
Pratt, Frank Percy	23, Eastern Road, Romford.
Pyle, Benjamin Thomas Rice	Town Grove, Hatfield Heath, Harlow
Rippengal, Arthur Henry.. ..	Brentwood.
Rogers, Arthur Cecil	521, Barking Road, Plaistow, E.

ROWETT, FREDERICK JOSEPH LANCASTER	Valuation Office, 23, Eastern Road, Romford.
SANSOM, WILLIE STANLEY VENN ..	23, Ireton Road, Colchester.
SAUNDERS, EDGAR WALTER	23, Eastern Road, Romford.
SHINER, FREDERIC WALTER ..	Elmhurst, Highview Avenue, Grays.
SLATER, ERIC ARNOLD	Town Hall, Colchester.
STANFORD, CHARLES MAURICE ..	23, High Street, Colchester.
*STRUTT, THE HON. EDWARD GERALD, C.H.	Whitelands, Hatfield Peverel, Witham.
TAYLOR, FREDERIC DENNISON ..	Jessamine Cottage, Upminster.
TOMLIN, WILLIAM	39, Station Road, Clacton-on-Sea.
UPSDALE, ANDREW REID	738, Romford Road, Manor Park, and 11, Granville Road, Ilford.
VICKERS, ALFRED CRANSTOUN ..	13, Hildaville Drive, Westcliff-on-Sea.
WAYMOUTH, JOHN KENNERLEY ..	41, High Street, Southend-on-Sea.
WONTNER-SMITH, PERCY	Valuer's Office, 29, Romford Road, Stratford, E.
YOUNG, CHARLES EDWARD.. ..	East Street, Barking.

PROFESSIONAL ASSOCIATES:

ALDERSON, CHARLES HENRY ..	Dovercourt.
ANDREWS, ARTHUR GEORGE, LIC.R.I.B.A., M.INST.M.I.C.E.	Borough Surveyor's Office, Town Hall, Colchester.
ANDREWS, THEODORE ERNEST ..	Rodney Gate, Little Baddow, near Chelmsford.
ANSTEAD, SYDNEY HERBERT ..	Wall End House, East Ham, E.6.
ARDLEY, CECIL WILLIAM	Wayside, Crosby Road, Westcliff-on-Sea.
BALSTER, STEPHEN	32, Lockwood Road, Ilford.
BATES, STACY JAMES	4, Prittlewell Square, Southend-on-Sea.
BEKEN, REGINALD WALTER ..	213, Hoe Street, Walthamstow, N.E.
BERRY, CHARLES EDWARD ..	Oak Hall, High Stone, Leytonstone.
BINNS, MAURICE ALFRED	84, Westcliff Park Road, Westcliff-on-Sea.
BONE, HUGH	Borough Surveyor's Office, Southend-on-Sea.
BOWLING, PETER JAMES	Auction Rooms, Benfleet.
BROOKS, JOHN THOMAS	39, Sebert Road, Forest Gate, E.7.
BROWNING, EGBERT GEORGE ..	89, Orford Road, Walthamstow, E.
BUDGEN, HAROLD VICTOR ..	16, Wigram Road, Wanstead, E.11.
BUTLER, REGINALD	Clyde House, 51, Romford Road, Stratford, E.
BUTT, STANLEY GEORGE	8, Landscape View, Saffron Walden.
CATON, WILFRED ABRAHAM ..	30, Vicarage Gardens, Seven Kings.
CLARKSON, JOHN	74, Aberdour Road, Goodmayes.
COWLEY, HERBERT REGINALD ..	24, High Street, Southend-on-Sea.
CRABB, ARTHUR HORACE	17, Kimberley Road, Leytonstone.

DARTNALL, ERNEST VICTOR	Forest House, High Stone, Leytonstone.
DAY, JOSEPH REYNOLDS	Thorpe Coombe, Forest Road, Walthamstow, E.
DEWHIRST, CHARLES LESLIE ..	67, Rainsford Road, Chelmsford.
DURANT, FREDERICK HENRY ..	"Maisonette," Martello Road, Walton-on-Naze.
ENGLISH, HARRY EDWIN	Oaklands, Grove Hill, Woodford, E.18.
ENGLISH, ROLAND RICHARD ..	Oaklands, Grove Hill, Woodford, E.18.
FIELD, VICTOR	4, College Road, Little Thurrock, Grays.
FIFIELD, CECIL STANLEY WILLIAM	235, Leytonstone Road, E.15.
FINCHAM, EDWARD, CAPT., M.C., A.R.I.B.A.	Mark's Tey, Colchester.
FORD, ARNOLD SPENCER	Redlands, Oakhill, Woodford Green.
FRANCIS, MYLES VICTOR HERBERT	White Cottage, Loughton
FRICKER, ARTHUR CHARLES ..	217, High Road, Ilford.
GANN, THOMAS LEIGHTON	Marrawah, St. George's Avenue, Dovercourt.
GINGELL, JOHN TAYLOR	Warish Hall, Takeley.
GIRLING, ARTHUR CHARLES ..	The Hall, Thorington, nr. Colchester.
GLASSE, ALFRED	34, Fullers Road, South Woodford, E.18.
GLENNY, KENNETH EDWARD BOULTON	34, Satanita Road, Westcliff-on-Sea.
GREGORY, CHARLES HENRY ..	4, Fillebrook Road, Leytonstone, E.11.
GRIMWADE, HENRY	Colchester.
GURNER, VICTOR THORNTON ..	The Cottage, Boston Avenue, Southend-on-Sea.
HALL, THOMAS RAINBIRD ..	3, Meadway, Gidea Park.
HALLS, ARTHUR HAROLD	30, Swiss Avenue, Chelmsford.
HILLIARD, HUGH NEVILLE	Chelmsford.
HIRST, BYROM	6, Dunedin Road, Ilford.
HOLFORD, SHELLEY	Braeside, Weald Road, Brentwood.
HOLT, EDWARD	Clifden, Southborough Drive, Westcliff-on-Sea.
HUGHES, REGINALD GEORGE ..	60, Cotswold Road, Westcliff-on-Sea.
IRELAND, ALAN	3, Clarence Road, Manor Park, E.12.
ISARD, ERNEST	66, Dangan Road, Wanstead, E.11.
JEFFRIES, HERBERT GEORGE, A.R.I.B.A.	Mount Pleasant, Cranbrook Road, Barkingside.
JENNINGS, WILLIAM ALFRED ..	7, Romford Road, Stratford, E.
JONES, WALTER GEORGE	3, Merton Road, Walthamstow, E.17.
JOY, GILBERT ALAN	Ivy House, High Street, Rayleigh.
KEY, THOMAS GARBUTT	Brae Banks, Upminster Hill, Upminster.
KEY, WILLIAM DONALD, A.R.I.B.A.	Cardington, Mayfair Gardens, Upminster.
LEACH, STANLEY HUGH	8, Thorold Road, Ilford.
LEIGH, VINCENT STANLEY	Palmeira House, Palmeira Gardens, Westcliff-on-Sea.

Lilley, John Leslie	453A, London Road, Westcliff-on-Sea.
Lister, Ernest Edward	29, Bennett Road, Chadwell Heath.
Living, Charles, Jun.	75, The Grove, Stratford, E.
Living, Edwin	10, Church Lane, Leytonstone, E.11.
Lloyd, Sydney Hamilton, A.M.I.C.E.	72, Burnside Road, Chadwell Heath.
Lock, Charles	26, Hill Road, Chelmsford.
Luton, Albert Gordon	14, Forest Lane, Stratford, E.
Lyster, Frank Oliver..	Rainsford House, Chelmsford.
Mayhew, William Joseph George	197, Kingston Road, Ilford.
Moss, Sidney Robert	122, Wellesley Road, Ilford.
Mullett, Henry Thomas ..	36, St. Alban's Crescent, Woodford.
Northcott, Francis Frederick	Architectural Dept., Borough Surveyor's Office, Southend-on-Sea.
Penny, Reginald Thomas ..	High Street, Epping.
Phillips, Francis John	Albury, Queen's Road, Springfield, Chelmsford.
Pittam, Edward Charles ..	Tendring, Empress Avenue, Woodford Green.
Plumstead, Henry William Lewis	126, The Avenue, Higham's Park, N.E.
Pointing, Herbert John ..	160, Thorold Road, Ilford.
Porter, Edward Lettington	Wrotham College Avenue, Grays.
Randall, Victor Horace.. ..	1, Cranbrook Road, Ilford.
Read, John	Mountain Ash, Hornchurch
Reeve, Henry George	c/o T. Reeve, The Paddock, Little Stambridge, Rochford.
Rogers, Edgar Arthur, Capt.	Engineer's Dept., Town Hall, East Ham, E.6.
Rogers, John Russell	6, High Street, Maldon.
Roome, Frank Morris	27, Deyncourt Gardens, Upminster.
Scanlan, William Henry ..	42, Henley Road, Ilford.
Seaton, Thomas Hardman	16, Reed Pond Walk, Gidea Park.
Sharpless, Arthur	35, Chester Road, Wanstead, E.11.
Shiner, Lawrence Alexander David	Greyshott, Crest Hill Avenue, Grays.
Simkin, Rowland Ive	63, North Hill, Colchester.
Smith, Percival	Valley Farm, Coddenham, near Ipswich.
Sorrell, Godfrey Alfred Victor	19, Boston Avenue, Southend-on-Sea.
Sorrell, Harold Valentine ..	38, Clarence Street, Southend-on-Sea.
Sparkes, Robert Henry ..	Assembly Auction Rooms, Benfleet.
Stallard, Harold Orlando ..	Estate Office, Audley End, Saffron Walden.
Stickland, Albert Edward ..	1, Mill View, Mill Lane, Chadwell Heath.
Strutt, John James	Whitelands, Witham.
Tebbit, Charles Leonard	Braintris, Hatfield Broad Oak, Harlow.
Temple, Alfred	41, High Street, Southend-on-Sea.

THATCHER, IVAN JAMES	Resident Engineer's Office, Tilbury Docks.
THOMAS, FREDERICK CHARLES ..	Stanford, Churchfields, Woodford.
TITTERTON, SYDNEY GEORGE PENN	Strand Estate Office, Southchurch Road, Southend-on-Sea.
TROTTER, GERARD	Messrs. Sworder, Knight and Trotter, Epping.
VINT, JAMES HENRY WHITE	111, Valkyrie Road. Westcliff-on-Sea.
WADDINGTON, WILLIAM..	55, Nelson Road, Highams Park, N.4.
WARD, ARMAND DOUGLAS	Sundridge, Glebe Avenue, Woodford Green.
WARDER, DONALD	"Cecildene," 3, Seymour Villas, Anerley, S.E.20.
WELCH, CECIL JOSEPH MARSH ..	The Folly, Dunmow.
WELLS, LESLIE STUART DEAN ..	5, Daventry Avenue, Hoe Street, Walthamstow, E.17.
WESTWOOD, HERBERT	Oakhurst, Burnham Road, Leigh-on-Sea
WHITE, ROY LESLIE	33, Victoria Avenue, Southend-on-Sea.
WILKES, JOHN FISKE, M.A.(*Cantab.*)	Elmdon Bury, Saffron Walden.
WILSHERE, REGINALD SHARMAN	County Architect's Department, Old Court, Springfield, Chelmsford.
WOODBRIDGE, WILLIAM EDWARD, A.M.I.C.E	134, Inverness Avenue, Westcliff-on-Sea.
WORLEY, FREDERICK HORACE ..	Parr's Bank Buildings, George Lane, Woodford.
WRIGHT, GEORGE THOMAS.. ..	c/o Fen, Wright & Co., High Street, Colchester.
YOUNG, DAVID FERNEE..	East Street, Barking.
YOUNG, WILLIAM FREDERICK ..	Lenbury, Eastwood Road, Leigh-on-Sea.

ASSOCIATE.

SMITH, DOUGLAS BEVINGTON ..	73, High Street, Chelmsford.

PROBATIONERS:

AYLIFFE, REGINALD WILLIAM ..	129, Beedell Avenue, Westcliff-on-Sea.
BALCH, WILLIAM MORTON ..	Wickham Bishops.
BEDFORD, HAROLD EDWARD SAYER	3, Weight Road, Chelmsford.
BERNARD, MOROGH WYNDHAM PERCY	Blunts Hall, Witham.
ELLIS, HORACE GEORGE VERNON	c/o C. N. Stanford & Son, 23, High Street, Colchester.
HARVERSON, CECIL	119, Whyteville Road, Forest Gate, E.7.
HEYNES, HERBERT	105, Shelley Avenue, Manor Park, E.12.
HORN, HENRY JAMES	19, Lichfield Road, East Ham, E.6.
JELLETT, WILLIAM BULFORD ..	49 Eastern Road, Romford.

NOTT, ALAN FRANK	The Hall, Wickham St. Paul's, Halstead.
REAVELL, GEORGE NOBLE	1, Gordon Road, Wanstead.
STORY, JOHN ANTHONY	3, Champion Road, Upminster.
STORY, THOMAS HEDWORTH ..	3, Champion Road, Upminster.
WOODWARD, ROBERT WILLIAM NOBLE	Roydon, Marine Parade, Dovercourt.

STUDENTS:

ELLSON, ARTHUR	42, The Hill, Ilford.
FORBES, ROBERT BRACEY	149, High Street, East Ham.
FRAMPTON, LEONARD ARTHUR ..	84, Cambridge Road, Seven Kings.
HOLMES, HARRY WILKINSON ..	Surveyor's Dept., Town Hall, Clacton.
PIPE, ALBERT WILLIAM	Thorpe, Eagle Lane, Snaresbrook.
WISEMAN, ERNEST	37, Monteagle Avenue, Barking.

GLOUCESTERSHIRE.

(Gloucester, Somerset, and North Wilts Branch.)

FELLOWS:

BERNARD, CHARLES ALBERT ..	26, Orchard Street, Bristol.
*BODY, ARTHUR, A.R.I.B.A.	48, Corn Street, Bristol.
BRUTON, HENRY TEW	Albion Chambers, King Street, Gloucester.
CHAMBERS, HAROLD JOHN LAVENDER	Corn Hall Buildings, Cirencester.
CORBETT, JOHN ROOKE, M.A. (*Cantab.*)	Valuation Dept., 25, Great George Street, Bristol.
CRUMP, EDWARD HAROLD	22, Riverleaze Road, Sea Mills, nr. Bristol.
DAVIDSON, WILLIAM JAMES ..	Longleat, Queen's Road, Cheltenham.
DAWSON, CHARLES FORD	14, Henleaze Road, Bristol.
FROUD, MAYNARD	1, St. Stephen's Chambers, Baldwin Street, Bristol.
GILLER, GEORGE SAMUEL, M.B.E...	County Building, College Court, Gloucester.
GOODBODY, FREDERICK ALLEN STURGE	11, Orchard Street, Bristol.
GREGORY, CHARLES WILLIAM ..	23, Clare Street, Bristol.
HADLEY, FRANK	Lillybrook, Kemerton, Tewkesbury.
*HARLE, JOHN JOSEPH	Charfield Honor, Charfield.
HOLBROW, HERBERT OLIVER ..	18, Apsley Road, Clifton, Bristol.
HOWES, FRANCIS TIPPETT	Parkstone, Grantham Road, Kingswood, near Bristol.

KINGSFORD, HAMILTON BRUCE ..	25, St. Aldate Street, Gloucester.
*KNOWLES, HENRY	Egerton House, The Spa, Gloucester.
MOORE, HAROLD ELLIS	39, Denmark Road, Gloucester.
PETER, FRANCIS	Lealands, Wotton, Gloucester.
*PETTER, ALBERT EDWARD	25, Great George St., Park St., Bristol.
*STURGE, THEODORE	11, Orchard Street, Bristol.
TAYLOR, WILLIAM JOHN PALMER..	25, Clare Street, Bristol.
VILLAR, JAMES..	2, Essex Place, Cheltenham.
WILLIAMS, ARTHUR CODRINGTON	Estate Office, Kemble House, Cirencester.
YATES, CHARLES WILLIAM, A.R.I.B.A., M.S.A.	65, Northgate Street, Gloucester.

PROFESSIONAL ASSOCIATES:

ABBOTT, CLAUDE, M.C.	Bradley Court, Micheldean.
ASH, FRANCIS EDWARD..	99, Belmont Road, St. Andrews, Bristol.
BAKER, HAROLD	Amberley.
BALLINGER, ALBERT EDWARD ..	Glengarth, Pitchcombe, near Stroud.
BROOKS, WILLIAM NATHANIEL ..	Estate Office, Batsford, Moreton-in-Marsh.
BROWN, FRANCIS HAROLD PRITCHETT	36, Hampton Road, Redland, Bristol.
BURGE, GILBERT ALBAN, A.M.I.C.E.	c/o Mr. Eyles of Sinnott & Son, 12, Broad Street, Bristol.
CLARKE, EDWARD JEFFREY ..	c/o Hughes & Norton, Corn Street House, Bristol.
COLEMAN, CYRIL FRANK	1, Highbury Villas, Cotham, Bristol.
COLLYER, CHARLES ALEXANDER STEWART	Toddington, Winchcombe.
DAVIES, FREDERICK WILLIAM ..	High Street, Thornbury.
DAVIES, JOHN RICHARD	Avondale, Tewkesbury.
EDWARDS, GEORGE FRANK ..	Small Holdings and Land Settlement Dept., Shirehall, Gloucester.
ESBESTER ERNEST HENRY	City Valuer's Office, The Exchange, Bristol.
EVANS, HENRY LODOWICK VINCENT	40, Royal York Crescent, Clifton, Bristol.
FORBES, ALEXANDER	40, Central Road, Gloucester.
GIBAUD, FREDERICK CHARLES ..	7, Redland Park, Redland, Bristol.
GOODENOUGH, KENNETH MACKENZIE	11, Russell Road, Redland, Bristol.
HAMPSHIRE, EDWIN GEORGE ..	High Street, Northleach, Gloucester.
HENDERSON, REGINALD ALFRED ..	15, Randall Road, Clifton, Bristol.
HILL, WILLIAM JOHN	Moss Dene, Park Estate, Prestbury, near Cheltenham.
HOOPER, ARTHUR HENRY	15, Sefton Park Road, Ashley Down, Bristol.

HOPE, JOHN LEO	c/o Falconer & Baker, Amberley.
HOWSE, EVAN GEORGE..	85, Redcliff Street, Bristol.
INGLEBY, ERNEST JAMES, N.D.A.	Hillside, Buckover, Falfield.
LEAN, WILLIAM	Midland Bank Chambers, The Cross, Gloucester.
MAJOR, SYDNEY FRANCIS	33, Cleve Road, Knowle, Bristol.
MORGAN, WILFRED WYNTER ..	Church End, Slymbridge, near Stonehouse.
OATEN, ALFRED EDWARD	22, Clare Street, Bristol.
PINKHAM, COURTENAY SHORT ..	City Engineer's, Queens Square, Bristol.
POORE, JOHN	Badminton, Gloucester.
POULDEN, GEORGE EDWARD LUTHER	14, Zion Hill, Clifton, Bristol.
PRICE, REGINALD HENRY KING..	Estate Buildings, 7, St. Stephens Street, Bristol.
PRITCHARD, CEDRIC HOOD ..	Bank Buildings, Colston Avenue, Bristol
RANDALL, ERNEST JOHN JAMES ..	2, Cranham View, Stroud Road, Gloucester.
ROSE, FREDERIC CHARLES	2, The Gables, Cirencester Road, Charlton Kings, Cheltenham.
SOLOMAN, JOHN FREDERICK COTHER	18, Nottingham Road, Bishopston, Bristol.
STOKES, EDGAR EDWARD	Longborough, Morton-in-Marsh.
THOMAS, PERCIVAL HARTLAND ..	10, St. John Street, Bristol.
WALFORD, SIDNEY THOMAS ..	c/o Young and Gilling, Promenade, Cheltenham.
WATKINS, ROBERT..	149, Luckwell Road, Bedminster, Bristol.
WATTS, WILLIAM HARRY	St. John's School House, Durdhams Downs, Bristol.
WEBBER, NORMAN LESLIE ..	76, North Road, St. Andrews Park, Bristol.
YOUNG, GEORGE HENRY	Rodway Hill House, Mangotsfield.

PROBATIONERS:

BOWL, GEORGE JAMES ERIC ..	Beech House, Kings Stanley.
COLE, WILLIAM EDWARD	Dyrham, Staple Hill, Bristol.

STUDENTS:

ABBOTT, HOWARD GUY	23, Beaufort Road, Clifton, Bristol.
CRUMP, EDWARD THOMAS	22, Riverleaze, Sea Mills, near Bristol.
DAVIES, LESLIE FRANCIS	Frenchay Lodge, Frenchay, Bristol.
KRUSE, FRANK ROBERT	5, Chesterton Terrace, Cirencester.
PARRY, OWEN HERBERT	18, Alma Road, Clifton, Bristol.

HAMPSHIRE AND ISLE OF WIGHT.

(Hampshire, Dorset, and South Wilts Branch.)

FELLOWS:

ABBOTT, ALEXANDER HENRY ..	351, Wimborne Road, Winton, Bournemouth.
APPLEBY, JOHN HENRY JAMES ..	8, High Street, Fareham.
AUSTIN, RICHARD	Bishop's Waltham.
BAKER, HENRY GEORGE, Lic.R.I.B.A.	21, Grosvenor Road, Aldershot.
BALL, CHARLES WILLIAM	Whittington Chambers, King's Road, Southsea.
BIRD, JAMES BINFIELD	Kingswood, Sandown, Isle of Wight.
BLAKE, FREDERICK	46, Commercial Road, Portsmouth.
BLAKE, REGINALD LAPTHORNE ..	46, Commercial Road, Portsmouth.
*BLIZARD, JOHN HENRY, A.M.I.C.E.	Lansdowne House, Castle Lane, Southampton.
BROAD, FREDERIC	2, Oxford Road, Bournemouth.
BRYANT, SAMUEL JOHN	Town Hall, Basingstoke.
CHEVERTON, ALFRED DOUGLAS ..	26A, Portsmouth Road, Woolston, Southampton.
COCKS, SAMUEL ROGER	5, St. Thomas's Street, Ryde.
COLES, SAMUEL HOOD COWPER	Lower Bisterne, Ringwood.
CONWAY, EDWARD JOHN, Lic.R.I.B.A.	120, Upper Shirley Avenue, Southampton.
CURTIS, CHARLES EDWARD	Woodlands, Brockenhurst.
DOCKERILL, CHARLES WILLIAM ..	2, Oxford Road, Bournemouth.
DOLAMORE, FREDERICK PERCY ..	Borough Surveyor, Municipal Offices, Bournemouth.
DROVER, WILLIAM HENRY, M.S.A.	36, Thornbury Avenue, Southampton.
DYER, HENRY JOHN	2, Victoria Crescent, Southsea.
*FOX, ERNEST	44 to 50, Old Christchurch Road, Bournemouth.
FOX, WILLIAM	44 to 50, Old Christchurch Road, Bournemouth.
GAYTON, HAROLD	22, Kenilworth Road The Polygon, Southampton.
GIBBON, WM. JACOMB, A.R.I.B.A. ..	Wootton Heath, New Milton.
GOLDSMITH, DOUGLAS FLEET ..	Lavant Street, Petersfield.
GOSLING, JOHN HENRY CHARLES	Town Hall, Portsmouth.
GREEN, ARTHUR EDWARD ..	57, London Road, Southampton.
HAGGER, ALBERT JAMES	10, Lowther Road, Bournemouth.
HALL, ERNEST	56, Commercial Road, Portsmouth.
HANKINSON, FRANCIS HENRY ..	Richmond Chambers, Bournemouth.
HARMER, ERNEST FREDERICK ..	20, Havelock Road, Southampton.
HARTLEY, TOM PERCY	Well Manor, Long Sutton, Winchfield.
HAWKER, HARRY EDWIN	St. Peter's Chambers, Bournemouth.

HERBERT, ALLAN	The Market Place, Andover.
*HILL, WILLIAM BURROUGH	93, Above Bar, Southampton.
HINXMAN, ROLAND	Jewry Chambers, Winchester.
JENKINS, RICHARD JAMES	Town Hall, Portsmouth.
JUKES, LOUIS WILLIAM	12, Landguard Road, Southampton.
KEEP, WILLIAM HENRY	W.D. Land Agent's Office, Milldam Barracks, Portsea.
KENT, GEORGE EDWARD	Normanhurst, Cavendish Road, Southsea.
KNIGHT, HENRY ST. JOHN ..	"Kaloni," Farnborough Road, Farnborough.
LANE, ERNEST LACAN	81, Old Christchurch Road, Bournemouth.
LLOYD, DONALD	Messrs. Ellen and Son, Andover.
LYWOOD, EDWIN	16, Weyhill Road, Andover.
MARTIN, ALFRED JOHN	Alton.
MARTIN, FREDERICK MARK ..	Town Hall, Basingstoke.
*MARVIN, ALBERT EDWARD	The Grove, Carisbrooke, Isle of Wight.
MASTERS, WILLIAM HENRY	Freemantle Lodge, Foundry Lane, Southampton.
MOORE, ARTHUR WILLIAM ..	Rodney House, Alton.
OAKLEY, EDWARD BENJAMIN ..	Hinton Chambers, Bournemouth.
POTT, WALTER, O.B.E.	Warren Garth, Courtenay Road, Winchester.
*ROBEY, ROBERT	Oaklands, East Tytherley, Romsey.
SANDERS, INGALTON	Midland Bank Chambers, 165, High Street, Southampton.
SAWYER, JOHN ASHTON	Monksacre, Abbott's Road, Winchester.
SIMMONS, SIR W. ANKER, K.B.E.	Basingstoke.
*SMITH, FREDERICK JOHN	21, Portland Street, Southampton.
SMITH, PERCY PYNE CALDECOTT, O.B.E.	Dragonfield, Sandown, Isle of Wight.
STALLARD, ALFRED EDWIN	West Street, Havant.
STOPHER, THOMAS	Winchester.
THIRLAWAY, ROBERT	Jesmond Cottage, Winchester Road, Southampton.
THURGOOD, ALBERT EDWARD ..	Valuer's Office, 8, Southsea Terrace, Portsmouth.
TURNER, JABEZ TENNYSON	Works Department, H.M. Dockyard, Portsmouth.
VERNON-INKPEN, GEORGE CHARLES	40, Commercial Road, Portsmouth.
WAGSTAFFE, THOMAS ROGERS ..	22, New Park Road, Southbourne.
WALMISLEY, JOSEPH WILLIAM, F.R.I.B.A.	7, King's Terrace, Southsea.
WALTER, THOMAS JAMES	Gervis Place, Bournemouth.
WARMINGTON, HERBERT ANDREW CROMARTIE	Grange Estate Office, Alresford.
WAY, HENRY JAMES	109, Lower St. James's Street, Newport, Isle of Wight.
WEBB, REGINALD ACHESON ..	6, Carbery Avenue, West Southbourne, Bournemouth.

WETHERALL, HARRY LANCASTER..	Highway, Hartley Wintney, Basingstoke.
WHITE, SAMUEL CYRIL	Yelverton Chambers, Yelverton Road Bournemouth.
WOOLLEY, JOHN TURTON	Spursholt, Romsey.
WOOLLEY, REGINALD GEORGE .	W. D. Land Agent's Office, Milldam Barracks, Portsea.
WYATT, ARCHIBALD, LT.-COL., O.B.E., D.L.	East Lodge, Fareham.

PROFESSIONAL ASSOCIATES:

ARNOLD, ALAN..	Westgate Chambers, Winchester.
BALCOMB, CECIL AUGUSTUS	278, Christchurch Road, Bournemouth
BEACH, ARCHIBALD WILLIAM HICKS, MAJOR	Oakley Manor, Basingstoke.
BOUNDY, AUBREY EARL	c/o Messrs. Rumsey & Rumsey, 111 Old Christchurch Road, Bournemouth.
BRIDGER, ARTHUR EDWARD ..	Greywell, Winchfield.
BRIGDEN, WILLIAM ERNEST ..	8, Worthy Lane, Winchester.
BROWN, WILLIAM ALFRED	The Willows, Gunville, Carisbrooke I. of W.
BRUCE, ALEXANDER DAVID	The Pines, Fleet.
BULSTRODE, CHARLES LEONARD	13, Stour Road, Christchurch.
BURNETT, ANDREW STUART.. ..	2, High Street, Southampton.
BURT, DOUGLAS ALLAN	18, Cross Lane, Andover.
CHAMBERLAIN, HARRY SAMUEL ..	91, St. Andrew's Road, Southsea.
COGSWELL, DOUGLAS RUPERT ..	38, Ophir Road, North End, Portsmouth
DALE, EDWARD SYDNEY WILSON	c/o Messrs. Simmons & Co., Basingstoke.
DANCASTER, ARTHUR	14, Tregonwell Road, Bournemouth.
DOCKRILL, ARTHUR DAVID ..	Broadlands, Newport, Isle of Wight.
DONGER, WILLIAM JAMES	Westgate Chambers, Winchester.
DOUGLAS, BERNARD MOXON ..	Fairway, Crofton Cliffs, Lee-on-Solent.
DOWSE, ARCHIBALD THOMAS ..	14, Swanmore Road, Bishops Waltham
EGGAR, JOHN GRAHAM	Cedar Cottage, Bentley.
EVERED, GILLIEBRAND ELWIN ..	30, Stirling Road, Bournemouth.
FIELD, LEONARD MARTIN	40, High Street, Gosport.
FOX, ANTHONY BERTRAM	146, Hill Lane, Southampton.
GASK, JOHN HAROLD, A.R.I.B.A...	Borough Engineer's Dept., Municipal Buildings, Bournemouth.
GUDGEON, GEORGE HAROLD ..	The Auction Mart, Winchester.
HALL, PATRICK MARTIN	Brook House, Warsash.
HARRIS, JAMES COLE	Jewry Chambers, Winchester.
HERRING, ERNEST LEONARD.. ..	c/o Messrs. Rumsey and Rumsey, 116 Poole Road, Bournemouth West.
HEWITT, ALBERT TENYSON MORLEY	The Old Manor House, Fordingbridge.

Hill, Stanley	82, Stuart Crescent, Stanmore.
Hillary, Norman, Capt., m.c. ..	The Peak, Basingstoke.
James, Frank Courtenay ..	2, Pembroke Road, Bournemouth.
Jennings, Frederick George ..	22, Wote Street, Basingstoke.
Jolliffe, Reginald	6, Shooter's Hill, Cowes, Isle of Wight.
Kent, Philip, Jun.	1, Station Road, Alresford.
Lane, Frank Donovan	2, Church Street, Christchurch.
Longbottom, Harold	Council Offices, Petersfield.
Millar, Peter..	Borough Engineer's Office,Southampton.
Minter, George Ash, m.b.e. ..	23, Hanover Buildings, Above Bar, Southampton.
Morton, William Percy	61, Hunter Road, Southsea.
Murray, Penry John	Headquarters, High Street, Portsmouth.
Murtough, Joseph	c/o Messrs. Young & White, North End, Portsmouth.
Ralph, Sydney Maurice ..	14, Preston Road, North End, Portsmouth.
Riddett, Maurice Charles ..	Town Hall Chambers, Ryde, Isle of Wight.
Ritchie, Walter Henry Denison	57, Commercial Road, Portsmouth.
Roberts, Frederick Luscombe	c/o Messrs. Smith & Moore, 21, Portland Street, Southampton.
Rogers, Ernest Arthur ..	Lynwood, Havant.
Rumsby, Walter Samuel ..	Avenue Chambers, The Square, Bournemouth.
St. Aubyn, Beville Molesworth, b.a. (*Oxon.*)	Hamble Bank, Warsash.
Salmon, Douglas John	c/o C. Lovegrove, 58 London Road, Portsmouth.
Scrutton, Frank Seymour ..	Highfield Cottage, Western Road, Lymington.
Sheath, Albert George	389, Holdenhurst Road, Bournemouth.
Simmons, Victor Alexander ..	Eastrop Fields, Basingstoke.
Smith, Ernest Leonard	East Mount, Sandown.
Smith, Geoffrey	78, Parchment Street, Winchester.
Stanley, Owen Geoffrey, Capt., a.m.i.c.e.	93, Alumhurst Road, Bournemouth West.
Stewart, William Hinton ..	Cliff Cottage, Barton-on-Sea.
Sutton, Cecil N. Stafford, Capt., m.b.e.	Estate Office, Brockenhurst.
Thomas, Ernest James	30, Landport Terrace, Portsmouth.
Tomkins, Samuel Edward	Kennington, Mill Hill, Cowes, Isle of Wight.
Waller, Bertram Hannen ..	17, Above Bar, Southampton.
Warner, Blair Martin	Heatherley, Shedfield, Fareham.
Whalley, John Richard Brimall	The Mart, Fratton Bridge, Portsmouth.
Wheeler, Leonard Charles ..	Woodville, Orchard Road, Havant.
Yarnall, Charles William ..	73, Irving Road, W. Southbourne.

ASSOCIATE :

Downie, Alex. Francis Mackenzie	Alton.

COLONIAL FELLOW :

Nottage, Percy George	Bartley Nurseries, Southampton.

PROBATIONERS :

Boucher, Gerald	1, Inhurst Road, North End, Portsmouth.
Clogg, Richard Wilkinson ..	Rowanhurst, Havant.
Curtis, Claude James	Oakvale, New Milton, Lymington.
Dancy, Eric	c/o Wyatt & Sons, West Street, Havant.
Dyer, Harry William James ..	76, Milton Road, Portsmouth.
Jacobs, Harry Cyril	Ambleside, Petersfield.
Josey, Tom	23, Station Avenue, Sandown, Isle of Wight.
Nicholls, Leopold Roy Lancelot Silvester	17, St. John's Park Terrace, Winchester.
Nimmo, Eric	Chinley, Broadstone.
Parrett, John Rutter	135, Richmond Park Road, Bournemouth.
Rogers, Frederick Ionn	The Grove, Droxford.
Scorer, Frank Melville	19, Christchurch Road, Bournemouth.
Simons, Horace Edward William	73, Kingsgate Street, Winchester.
Stedman, Douglas Wilson ..	110, Worting Road, Basingstoke.

STUDENTS :

Corben, Horace Edwin	2, Shirley Road, Southsea.
Fairbairn, Donald Grey ..	19, College Street, Petersfield.
Gates, Norman	The Dene, Alresford.
Jolliffe, Henry Wilfred ..	Mill Hill Road, Cowes, Isle of Wight.
Journeaux, Percy Frederick ..	15, Cranworth Road, Winchester.
Kent, John Arthur	Balna Howe, Terrace Mount, Bournemouth.
Smith, John Godwin Tomlin ..	Borough Engineer's Office, Town Hall, Bournemouth.
Willoughby, Donald Nelson	c/o W. H. Willoughby, 94, Wimborne Road, Winton, Bournemouth.
Winser, James Knight	The Chase, Eversley, Winchfield.
Wyatt, Stanley William ..	Devonia, Princess Road, Bournemouth West.
Wyatt, Stuart	East Lodge, Fareham.

HEREFORDSHIRE.

(Salop, Hereford, and Mid-Wales Branch.)

FELLOWS:

HUNT, GEORGE WHITAKER	Estate Office, Holme Lacy.
MILLYARD, JOHN WILLIAM, CAPT.	Estate Office, Littlebridge, Bromyard.
*PARKER, JOHN, A.M.I.C.E.	Mansion House, Hereford.
STOOKE, JOHN EDWIN HELLYAR	2, Palace Yard, Hereford.

PROFESSIONAL ASSOCIATES:

BURNETT, DONALD	91, Ryelands Street, Hereford.
GURNEY, RONALD GEORGE ..	Ledbury R.D.C., Ledbury.
HATTON, JOHN DOUGLAS ..	10, King Street, Hereford.
MILLYARD, GEORGE	Littlebridge, Bromyard.
SMITH, ERNEST	Whitfield Estate Office, Allensmore, Hereford.

STUDENT:

MOORE, FRANK EDWARD	c/o Bettington & Son, Palace Chambers, King Street, Hereford.

HERTFORDSHIRE.

(Bedford, Essex, Hertford and Middlesex Branch.)

FELLOWS:

BOUSTRED, HENRY NORMAN ..	Friern Barnet Road, N.11.
*BROWN, FRANK JOHN	Tring.
BROWN, WILLIAM EDWARD ..	Bude, Hyde Road, Watford.
CHAMBERS, SIR THEODORE GERVASE, K.B.E.	Welwyn Garden City.
CHILD, FRED	1, Station Road, New Barnet.
COCKS, JOHN FREDERICK	Ware Park, Ware.
COLE, CHARLES PHILIPS..	c/o W. Brown & Co., Berkhamsted.
COUCHMAN, HENRY BOTELER ..	Moor Park Estate Office, Rickmansworth.

Crozier, Harry William ..	Netherlow, London Road, Hertford.
Flint, William Fielder	Eastnor, Cassiobury Park Avenue, Watford.
Fowler, Alfred Charles Stanley	45, Fore Street, Hertford.
Genge, William Pope, Jun. ..	c/o Messrs. Rumball and Edwards, St. Albans.
Gooding, William Alfred ..	Arndilly, York Road, St. Albans.
Grace, Edward Nathaniel ..	Kendalls Building Estate Office, Radlett.
Harrison, Leonard Charles ..	27, Dellcot Close, Welwyn Garden City.
Hasluck, Lancelot Gerald ..	Green Hill Park, New Barnet.
Hennell, Charles Murray ..	25, Brocks Wood Lane, Welwyn Garden City.
Lawrence, John, n.d.a.	Messrs. Crawter, Cheshunt.
Lees, Frank Arthur	71, Mildred Avenue, Watford.
Lock, Cecil William Best	9, Station Road, Watford.
Macdonald, Arthur, m.a. (*Cantab.*)	Tring.
Mitchell, Sidney	District Valuer's Office, 29–31, Hatfield Road, St. Albans.
Morrison, Ivor Charles	Otterleigh, St. Albans.
Pikesley, Alfred	47, St. Peter's Street, St. Albans.
Rogers, Arthur Mechelen, Major, s.r.e.s.	Hillside, Sparrows Herne, Bushey.
Rowley, William Taylor ..	Royston.
Simmons, Edgar John	Station Place, Letchworth.
Sly, Joseph Townson	Estate Agency Offices, Rickmansworth.
Thurnall, John Edward	Royston.
Vaizey, John George	Bishop's Stortford.
Weall, John Graham	38, High Street, Watford.
York, Henry	East Barnet Valley Urban District Council, Station Road, New Barnet.

PROFESSIONAL ASSOCIATES:

Batkin, Richard Wall	1a, Westland Road, Watford.
Beaven, Howard Clifford ..	Willoughby, Bulwer Road, New Barnet.
Brettell, Charles Bandon ..	Little Hill, Boxmore, Herts.
Brown, Charles George ..	Launceston Lodge, Chorley Wood West.
Brown, George Macdonald ..	Okeford, Tring.
Chamberlain, Thomas Chandless	The Limes, Takeley, near Bishop's Stortford.
Chambers, Holroyd Ferris ..	Shewglie, Welwyn Garden City.
Chapman, Vaughan Godfrey St. John	1, Laurel Road, Hatfield Road, St. Albans.
Collins, Philip Howard ..	Ellerslie, Aldenham Road, Bushey Herts.
Davis, Arthur James	The Cottage, Croft Lane, Letchworth.
Dawes, Arthur Henry	Addiefield, Western Road, Tring.

DAY, STANLEY LEWIS	Lockinge, Northumberland Road, New Barnet.
DUCKWORTH, WILLIAM HENRY..	Surveyor's Dept., Council Offices, Watford.
FACER, HALDANE THOMAS	Corn Exchange, Hemel Hempstead.
FAULKNER, J. DENNIS..	24, High Street, Baldock.
FAYERS, HARRY	73, Euston Avenue, Watford.
GIFFIN, CHARLES WILLIAMS	South View, Letchworth.
GOODWYN, CHARLES COLIN ..	Fielden Cottage, Roughdown Road, Boxmoor.
GOTELEE, GUY STANLEY	2 Chapel Street, Berkhamsted.
HUGHES, THOMAS	3, Manor Park Villas, Windmill Lane, Cheshunt.
JOHNSON, FREDERICK JOHN ..	1, Fairfax Road, Hertford.
KINDELL, FRANCIS PERCY.. ..	Council Offices, The Priory, Friern Barnet.
LILL, ARTHUR	49, High Street, Hoddesdon.
MOODY, HERBERT LINE, A.R.I.B.A.	Shrewsbury House, Lyonsdown Road, New Barnet.
NEWMAN, WILLIAM WALTER, A.M.I.C.E.	Council Offices, High Street, Watford.
NOTT, CHRISTOPHER ARTHUR ..	59, London Road, St. Albans.
NOTT, THOMAS JEFFERY	Maynes, St. Albans.
PARKER, RICHARD CECIL OXLEY	Malting Farm, Little Hallingbury, Bishop's Stortford.
PATEY, GEORGE HEAD	3 and 5, Station Road, Watford.
RAMSAY, ERNEST WILLIAM ..	Littlecroft, Abbott Road, Abbots Langley.
RAYMOND, JAMES OWEN	55, Uxbridge Road, Rickmansworth.
ROBERTS, WILLIAM HUGHES ..	14, Platts Avenue, Watford.
ROLFE, CHARLES BERTRAM ..	28, The Avenue, Hitchin.
ROSS, JOHN	7, Derby Road, Watford.
SALWEY, ARTHUR	29 & 31, Hatfield Road, St. Albans.
SATCHELL, JOHN GERARD DOUGLAS	The Station Approach, Letchworth.
SMITH, EDMUND GEORGE	c/o Messrs. Harland & Sons, Barnet.
TAYLOR, GEORGE SCARBOROUGH..	Buntingford.
THAIN, ARTHUR ROBERT	Melbourn Villa, Morton Street, Royston
TRACY, BERNARD DAVID, A.R.I.B.A.	Limoilou, Croxley Green, S.O.
TRIGG, ROBERT	15, North Street, Bishop's Stortford.
VINCE, FREDERIC HAROLD	3, Platts Avenue, Watford.
WADSWORTH, JAMES MOFFATT ..	7, Crabtree Lane, Harpenden.
WIGGINTON, FRANCIS ARTHUR ..	7, Old Cross, Hertford.
WIGGINTON, THOMAS ANDREW ...	2, St. Andrew Street, Hertford.
WRIGHT, JAMES ALEXANDER.. ..	Melbury, Grange Road, Bushey.
YORK, WILLIAM HENRY, CAPT. R.E., A.M.I.C.E.	Clarendon, New Barnet.
YOUNG, WILLIAM	4, St. Peter's Street, St. Albans.
YOUNG, WILLIAM RAYMUND ..	4, St. Peter's Street, St. Albans.

PROBATIONERS:

Austen, Reginald	Ouyen, Nightingale Road, Rickmansworth.
Collins, Geoffrey Havelock	The Gables, Berkhamsted.
Davies, Francis Kaberry ..	Bonds Cay, Radlett.
Dixon, Gerard William	Pitlochrie, St. Albans.
Dowling, Richard Brabazon ..	Chasefield, Hadley Wood.
Fisk, Arthur Harold	Halscote, Silverdale Road, Bushey.
Girling, Arthur Charles ..	c/o Rumball & Edwards, St. Albans.
Matthews, Alfred Charles ..	204, Rye Road, Hoddesdon.
Sandford, Herbert	6, Westholm, Letchworth Garden City.

STUDENTS:

Ball, Geoffrey Walter	Hazelbeech, The Drive, Rickmansworth
Baucher, Reginald Herbert ..	Woodview, Radlett.
Berry, Alleyne William Steward	c/o Rumball & Edwards, St. Albans.
Waghorn, Gilbert Frederick Herbert	Galverton, Harpenden Rd., St. Albans.
Webb, Norman Apthorpe ..	Newtown Hostel, Welwyn Garden City.
Whittle, William Leslie.. ..	57, Cassio Road, Watford.
Wilkins, Herbert Walter ..	West View, Lauderdale Road, Hunton Bridge.

HUNTINGDONSHIRE.

(Cambridge, Huntingdon, Norfolk, and Suffolk Branch.)

FELLOWS:

Gairdner, Edward James ..	St. Neots.
Gripper, Joseph Edward ..	Manor House Farm, Brampton, Huntington.
*Theakston, William Pease, M.B.E.	Huntingdon.

PROFESSIONAL ASSOCIATE:

Kilford, William George ..	Hunts County Council, 68, High Street Huntingdon.

PROBATIONER:

Newton, William Henry	Lindhurst, Ramsey.

KENT.

(Kent Branch.)

FELLOWS:

Amos, Frank	3, The Parade, Canterbury.
Ashenden, Harold Campbell ..	Ventnor House, London Road, Canterbury.
Ashenden, Leonard Thomas ..	Westgate, Canterbury.
Baines-Hewitt, Frederic Thomas, Major	12, Frith Road, Dover.
Barton, Harry Howell	69, Sandgate Road, Folkestone.
Blackbourn, Henry	8, Claremont Road, Tunbridge Wells.
Bowles, William	The Cottage, Elwick Road, Ashford, Kent.
Brackett, Arthur William ..	27, High Street, Tunbridge Wells.
Brackett, Frederick Henry ..	27, High Street, Tunbridge Wells.
Broad, Gordon Leslie, Major, O.B.E., M.C., A.R.I.B.A.	Cedar Cottage, Stangrove Road, Edenbridge.
Brooker, Frederick George ..	The Corner Cottage, Sevenoaks.
Brown, Alexander	Home Farm, Hothfield, Ashford.
Burrows, Alfred John	41, Bank Street, Ashford.
Burtenshaw, Arthur Howard	"Arley," Tenterden.
Caton, Edmund Percy	10, New Road Avenue, Chatham.
Champion, Byran Arthur ..	13B, Lowfield Street, Dartford.
Champion, George Ernest ..	Redwall Farm, Linton.
*Cobb, Herbert Mansfield, C.B.E.	Cathedral Chambers, Rochester.
Cobb, Robert..	"Watlynge," near Rochester.
Coles, James Hatch	7, New Road, Chatham.
Cooper, George Augustus	7 and 9, Tonbridge Road, Maidstone.
Cowell, Norman, M.C.	District Valuer's Office, Bromley House, High Street, Bromley.
Cowper, Richard William ..	81, High Street, Sittingbourne.
Cowper, William Shapland ..	81, High Street, Sittingbourne.
Cox, Walter Theodore	Holmbury, Bower Mount Road, Maidstone.
Cronk, Frank..	Sevenoaks.
Cutlack, William Austin	11, Palace Grove, Bromley.
Dann, Henry	3, Spital Street, Dartford.
*Day, William	High Street, Maidstone.
Dinwiddy, Thomas, F.R.I.B.A. ..	St. Margaret's-at-Cliffe, Dover.
Egerton, William	12, Queen's Road, Erith.
Elgar, Charles John	Crockshard, Wingham, near Dover.
*Elgar, Walter Robinson ..	Hillside, Sittingbourne.
Farnham, William Augustus ..	Sidcup.
Feltham, Arthur William ..	12, St. Michael's Road, Maidstone.
Finn, Fred.	St. Bartholomew's, Sandwich.

Finn-Kelcey, Hubert Francis..	Estate Office, Lyminge, Folkestone.
Freeman, Dudley Searle ..	Waterlake, Chiddingstone.
Freeman, Sydney..	Tunbridge Wells.
Garrood, Thomas William M. ..	Badgers Mount, Knockholt.
Gilbert, Frank Myles	137, Rock Avenue, Gillingham.
Goadby, Francis Hubert, A.M.I.C.E.	Works Dept., H.M. Dockyard, Chatham.
Green, Thomas John	13, King Street, Maidstone.
Gregory, Alfred, Col., O.B.E.	Walden House, Beltinge Rd., Herne Bay.
Hayward, Frederick George, Col.	Market Square, Dover.
*Hayward, Henry..	Dover.
Hinds, Henry..	57, Queen Street, Ramsgate.
Hobbs, John	Estate Office, Ashford.
Hobbs, William Bedo	The Home Farm, Sneeth.
Hogwood, Douglas Clarence ..	6, Queen Street, Ramsgate.
Homan, Hubert Franklin	178, Eastgate, Rochester.
Honey, Robert Llewellyn ..	Town Hall, Chatham.
Honeyball, Fred. Thomas	Deal.
Hooper, Cecil Henry	South-Eastern Agricultural College, Wye.
Hussey, Sydney	99, Queen's Road, Ashford.
Jackson, William Tress	117, High Street, Sittingbourne.
Jennings, William Joseph	4, St. Margaret's Street, Canterbury.
Jull, Robert Charles..	1, Cumberland Gardens, Tunbridge Wells.
Kidwell, John	St. Margaret's Bank, Rochester.
Lambert, Edwin Hans..	Merriecote, Brenchley.
Langridge, Walter Frederick..	Tunbridge Wells.
Latter, Hugh Robinson	The Town Hall, Bromley.
Lepper, John Harrage..	10, Market Square, Bromley.
Lovegrove, Henry, A.R.I.B.A. ..	18, Foxgrove Road, Beckenham.
Mann, Jabez, A.M.I.C.E.	2, Tubs Hill, Sevenoaks.
Morton, William David ..	2, Salisbury Road, Dover.
Neame, Frederick..	Macknade, Faversham.
Page, Stanley Hatch, Lt.-Col., C.M.G.	6, Queen Street, Ramsgate.
Parkinson, Herbert	7, New Road, Chatham.
Parris, Charles John	67, High Street, Tunbridge Wells.
Payne, Charles Frederick ..	Messrs. Baxter, Payne & Lepper, Bromley.
Payne, Frederick..	10, Market Square, Bromley.
Pearch, Douglas Davisson ..	20, High Street, Tunbridge Wells.
Pilley, Herbert Anthony Rosser	29, King Street, Gravesend.
Prall, Herbert Alexander ..	150, Eastgate, Rochester, and 22, Lowfield Street, Dartford.
Randall, Ernest Smith	Elm House, New Road, Chatham.
Randall, William Edward Renwell, Jun.	251, Maidstone Road, Rochester.
Roberts, Charles Quincey ..	Newthorpe, Brenchley.

Rush, Arthur Leslie	65, High Street, Tunbridge Wells.
Scarlett, John Walter, Jun....	5, Cecil Square, Margate.
Short, John Rodwell	35, Aldermary Road, Bromley.
Small, Leonard John	Surveyor's Office, Farnborough, near Orpington.
Smith, Ernest Edward	37, Shepherd's Lane, Dartford.
Smith, Hubert George..	Boughton Monchelsea, Maidstone.
Smith, Hugh	Auction, Land and Estate Office, St. Peter's Road, Broadstairs.
Smith, Walter Henry, A.R.I.B.A.	18, High Street, Maidstone.
Smith, William Boulton, B.Sc., A.M.I.C.E.	Borough Engineer and Surveyor, Maison Dieu Road, Dover.
Stanton, Frederick William Schultheiss, A.M.I.C.E.	Maidstone Road, Chatham.
Stoneham, Edward Russell ..	Orchard House, Crayford.
Tapp, William Harry, Capt., M.C.	
Taylor, David Henry..	14, Stanley Avenue, Beckenham.
Temple, Frederick Wilson ..	69, Sandgate Road, Folkestone.
Thompson, Charles William Ward, F.R.I.B.A.	Bank Chambers, High Street, Rochester.
Thompson, Sir Robert James..	5, Homefield Road, Bromley.
Thornton, Arthur Bruce	Corner House, London Lane, Bromley.
Titford, Horace James	Messrs. Waterer and Dickins, 138, High Street, Bromley.
Turner, Benjamin George.. ..	Wingrove House, Walmer.
Vinten, Harold Bertram ..	72, High Street, Ramsgate.
Wacher, Thomas	Upper Bridge Street, Canterbury.
Wacher, Thomas Blake	2, Upper Bridge Street, Canterbury.
Waterman, Bertie Edward ..	Elm Cottage, Oakfield Lane, Dartford.
White, John William Edden ..	19, Hastings Road, Maidstone.
Williamson, Henry Burcombe	51, Cromwell Road, Beckenham.
Wormleighton, Bernard Joseph	Surveyor's Office, Town Hall, Herne Bay.
Wright, Ernest Harry	9, Thomas Street, Woolwich.

PROFESSIONAL ASSOCIATES:

Allen, Fred Tregarthen ..	43, Kingshall Road, Beckenham.
Ashford, Harry Albert.. ..	Cathedral Chambers, Rochester.
Baillie, Peter	14, St. Mary's Road, Strood, Rochester.
Barron, Sidney Norman, Capt. R.E.	Kirkham, Cobham.
Bath, Cecil Allen	Stonyheath, St. John's Road, Orpington.
Bell, Wallace Alfred	"Hambledon," Church Road, Lyminge.
Bisley, Donald Walter	14, Bromley Common.
Bowyer, Edward Barry	Carisbrooke House, The Avenue, Beckenham.

Brackett, Frederick John Newbegin	c/o Brackett & Sons, 27 to 29, High Street, Tunbridge Wells.
Bromley, Robert Cecil	Homeleigh, Longlands Road, Sidcup.
Burgess, Robert Coleman ..	The Moat, Ash, near Canterbury.
Burrows, Frank Herbert ..	Little Tinton, Warehorne, near Ashford.
Butterfield, Henry Ambler, Major, a.m.i.c.e.	Ministry of Transport, Roads Dept., R.E.'s Office, Chalk, nr. Gravesend.
Chadwick, Samuel Moore ..	Pond Hill, Shorncliffe Camp.
Cobb, Henry Alfred Will'am..	56, The Mall, Faversham.
Collins, Isaac	The Hectorage, Tunbridge.
Colyer, Charles Ernest	Arborfield, Beckenham Grove, Shortlands.
Creasey, Robert Douglas ..	71, High Street, Sidcup.
Day, John Hanks	18, Middle Row, High Street, Maidstone.
Dickinson, James Murgatroyd..	14, Church Road, Ashford.
Elgar, Nigel Edward Beresford	The Limes, Sittingbourne.
Emery, George Montagu	Cromwell House, Broadstairs.
Finn, Geoffrey Gostwycke ..	Watling Street, Canterbury.
Ford, Charles William Ernest	"Whitehall," Savings Bank Court, High Street, Ashford.
Fowler, Charles K.	Garrymore, Thong, near Gravesend.
Gee, Frederic George	16, Ordnance Terrace, Chatham.
Geering, John Philip	Laurel Dene, Ashford.
Gordon, Andrew Donald ..	Station House, West Wickham.
Gray, William Edward	4, St. Margaret Street, Canterbury.
Green, Graham Harry Wyndham, Capt., m.c.	The Warren, Willesborough.
Haines, Alfred Hubert	Stanmore, Wye.
Hughes, George Henry Augustus	13, North Street, Ashford.
Jackson, Richard Stephens ..	38, Sidney Road, Beckenham.
Jarrett, Thomas William	124, East Street, Sittingbourne.
Knight, Douglas Roy	Cherry Lodge, Stodmarsh, Canterbury.
Lee, Leslie Herbert	22, High Street, Ashford.
Le Grand, Cecil Wren, Capt...	Glenmore, Park Road, New Beckenham.
Lewis, Arthur Llewelyn	77, Station Road, Sidcup.
Loe, Sydney John	The Cottage, Beaconsfield Road, Buckley.
Longley, Arthur Douglas ..	Fairview, Lyminge, near Folkestone.
Maw, Percival Trentham ..	Stricklands, Robertsbridge, nr. Tunbridge Wells.
Maynard, Charles Edward ..	Council Offices, Southborough.
Middleton, Humfrey	28, St. Margaret's Street, Canterbury.
Moat, Ernest William	Portland Cottage, Frant Road, Tunbridge Wells.
Moody, Walter Richard	Newark House, 9, Inglis Road, Folkestone.

Neame, Frederick Ivo..	The Offices, Macknade, Faversham.
New, Elliott John	Otford.
Newnham, Frank George	155, Mason's Hill, Bromley.
Packe, William Vere	Cross House, Fawkham.
Page, Edmund	42, Balmoral Road, Gillingham.
Paramor, William	320, London Road, Dover.
Petley, Bertram..	Crixhall Court, Staple, Canterbury.
Petley, Guy	Crixhall Court, Staple, Canterbury.
Pover, William Alfred	54, Park Road, Faversham.
Roberts, Arthur Cecil	Broadway Estate Office, Bexley Heath.
Robertson, Laurence George	R.E. Office, Archcliffe Fort, Dover.
Robson, Geoffrey Bertram ..	75, Farnaby Road, Bromley.
Sedgwick, Rupert William ..	Elnothington, Hollingbourne.
Shipwright, William George Lic.R.I.B.A..	Akbar, Albion Road, Broadstairs.
Simpson, Christopher	c/o Messrs. Holloway Bros., Ltd., Swanley Junction.
Skinner, Russell Edward ..	209, Upper Wrotham Road, Gravesend.
Smith, Charles Philip..	Town Hall, Greenwich.
Smith, Herbert Frederick George..	Estate Office, Waldershare Park, Dover.
Smith, Rupert Thomas William	47, Lower Fant Road, Maidstone.
Stone, Leonard Victor	Broadway House, Bromley.
Strudwick, Frank Edward ..	12, Freelands Road, Bromley.
Strudwick, Philip..	14, Croft Villas, Green Lane, New Eltham.
Sturgess, John Moore..	Penshurst Park, near Tonbridge.
Thoburn, Hugh Forsyth ..	Kent House Estate Office, Kent House, Beckenham.
Thomas, Alfred Christopher Llewellyn	Allen's Cottage, Hunton, nr. Maidstone.
Tompkins, Lionel Ernest ..	Woodlands, Chelsfield.
Waller, Frederick Naunton ..	17, Westfield Road, Beckenham.
Weeks, Percy Bertram	Hopwood Gardens, Tunbridge Wells.
Westbrook, Charles Edward ..	Calverley Parade, Tunbridge Wells.
White, Herbert Pratt..	Hillbrow, Loose, near Maidstone.
Williams, Rees John	51, Marlborough Road, Gillingham.
Winch, Cecil Arthur	Cranehurst, Cranbrook.
Wood, Frank Houseden.. ..	17, Queen's Road, Bromley.
Woodcock, William	11, St. Hilda Road, Folkestone.

PROBATIONERS:

Ball, Eric Beckford	Fernleigh, Ditton, near Maidstone.
Carpenter, George Lester ..	34, Linden Road, Gillingham.
Cobb, Richard Martin	Mockbeggar, Rochester.
Denne, Stanley Vincent.. ..	Queen Street, Deal.

Erle-Drax, John Charles William	Bilting House, Wye.
Farbridge, Leslie Clark.. ..	27, The Green, Wye.
Hodgman, Cecil Merrick ..	2, Dundonald Road, Ramsgate.
Hodsoll, James William	Farningham.
Hogbin, Leslie Morgan Tom ..	73, Crescent Road, Ramsgate.
Honnywill, Charles Robin ..	Holmans, Hawkhurst.
Jarman, Arthur Roy	85, Windmill Street, Gravesend.
Knight, Percy James Geoffrey	4, Wellesley Villas, Ashford.
Linington, Francis John.. ..	West Northdown Farm, Margate.
Malby, Edward Augustus ..	53, Clarence Road, Bickley.
Maltby, Harold Vivian ..	Duncliffe, Copers Cope Road, Beckenham.
May, Robert Cruden	Lyneham, Chislehurst.
Meyer, Leo Henry Paul ..	Brantwood, Erith Road, Bexley Heath.
Parrott, David George	c/o Baxter, Payne & Lepper, Bromley.
Payne, Geoffry	134, Ravensbourne Avenue, Shortlands.
Prall, Henry Herbert	150, Eastgate, Rochester.
Searles, Charles Frank ..	Sidney Arms, Perry Street, Chislehurst.
Turner, John Hamilton	Westburton, The Park, Sidcup.
Uridge, Walter	89, Bromley Road, Shortlands.
Wright, Edwin William ..	Woodfield, Beckenham.

STUDENTS:

Buckland, Philip Harry Beale	Goldwell, Great Chart, Ashford.
Chavasse, Kenneth Grant ..	17, Sandford Road, Bromley.
Cripps, Russell Merton	68, St. James Avenue, Beckenham.
Fenton-Jones, Charles Langford	Fairholme, Wiltie Gardens, Folkestone.
Fletcher. Harry Newton ..	c/o Messrs. Cronk, Sevenoaks.
Hobbs, Leslie Armour	Sistrokeel, Julian Road, Folkestone.
Johnson, Ernest Leslie	40, High Street, Sandgate.
Marchant, Aubrey Ernest ..	Tickners, Hawkhurst.
Mulder, Hiddo John	Veendam, Maidstone Road, Chatham.
Offen, Frank George	Taverner, Ranelagh Road, Deal.
Pope, Clement Gilbert George	70, Holmside Avenue, Gillingham.
Putt, Stanley William	Uplands, Singlewell Road, Gravesend.
Samson, Cecil Leslie	6, Foxgrove Road, Beckenham.
Smith, William Stuart	82, Broadmead Road, Folkestone.
Stripp, Harold Edwin George	Middle Road, Bells Yew Green, near Tunbridge Wells.

LANCASHIRE.

(Lancashire and Cheshire Branch.)

FELLOWS:

ANDERSON, ROBERT	Knowsley, Prescot.
APPLEBY, FRANK SEFTON	44, Ash Grove, Wavertree, Liverpool.
ASHWORTH, JOHN	77, King Street, Manchester.
ATACK, GEORGE ALBERT SEVERNE	2, Highgate Avenue, Fulwood, Preston.
BAILEY, ERNEST BATHO	37, Moorfields, Liverpool.
BANCROFT, FREDK. HERBERT ..	78, King Street, Manchester.
BARLASS, THOMAS	33, Manchester Road, Fairfield, Manchester.
BARRETT, THOMAS NORMAN ..	28, Brazennose Street, Manchester.
*BATEY, HENRY SIMPSON	51, South King Street, Manchester.
BEAL, JOSEPH KYLE	c/o District Valuer, National Provincial Bank Chambers, James Street, Liverpool.
BECKWITH, HENRY LANGTON, COL.	Bank Chambers, 3, Cook Street, Liverpool.
BEST, HALSTEAD	St. John's Chambers, 87, Church Street, Blackpool.
BIRCH, WALTER DE HOGHTON ..	Hoghton Estate Office, Walton Hall, Preston.
BLUNT, FRANCIS EDWARD	Valuation Department, Inland Revenue, 12, St. John's Lane, Liverpool.
BOWDEN, ERNEST NEWTON ..	14, Ridgefield, Manchester.
BRADY, RALPH HOLLINSHED, M.B.E.	42, John Dalton Street, Manchester.
BREWERTON, FRANK ASQUITH, M.C., A.R.I.B.A.	33, Princess Street, Manchester.
BRIDGFORD, LEO APPLETON ..	65, King Street, Manchester.
BRIGGS, ARTHUR	Dearnlea, Langley Road, Prestwick, near Manchester.
BROCKLEBANK, JOHN	58A, Yorkshire Street, Rochdale.
BROWN, FRED	30, Park Drive, Barrow-in-Furness.
*BURY, JOSHUA	8, John Dalton Street, Manchester.
BURY, WILLIAM NEVILE BROADBENT	8, John Dalton Street, Manchester.
CLARKE, FRANCIS ARCHIBALD ..	Brentwood, Maple Grove, Prestwich, Manchester.
CRAMER, JAMES	4, St. Mary's Parsonage, Manchester.
*CROSS, WILLIAM HASLAM	77, King Street, Manchester.
CROSSLEY, FREDERICK	Estate Office, Gawthorpe Hall, Burnley.
CULE, EDWARD IVOR	6A, The Temple, Dale Street, Liverpool.
DAVENPORT, WILLIAM T.	26A, Sankey Street, Warrington.
DAWSON, ERNEST	49, Deansgate, Manchester.

Dawson, Henry Walker	c/o The Federation of Master Cotton Spinners' Assoc., Ltd., Royal Exchange, Manchester.
Dickson, Alfred Eric, Capt. ..	30, Winckley Square, Preston.
Dixon, Isaac	148, Brownlow Hill, Liverpool.
Dixon, Myles..	20, Castle Street, Liverpool.
Drummond, Bertram	54, Alfred Terrace, Fleetwood.
Dunlop, Dugdale Oakeley ..	28, Brazennose Street, Manchester.
Earle, Thomas Algernon	90, King Street, Manchester.
Eginton, Arthur Thomas	County Offices, Preston.
Elias, Charles Frederick	5, Harrington Street, Liverpool.
Ellis, Francis..	Bast House, Walmersley.
Entwistle, Charles Carruthers	10, Norfolk Street, Manchester.
Entwistle, Joseph	15, West Beach, Lytham.
Fair, Arthur Edward..	Estate Office, Haigh Hall, Wigan.
Fairclough, William	The Gables, Leigh.
Foster, William Arthur, A.M.I.C.E.	The Butts, Rochdale.
Garland, Hugh Cornwall ..	260, Oxford Road, Manchester.
Garton, Walter T.	The Ellerbeck Colliery Office, Adlington, near Chorley.
Gawith, Harrison	City Surveyor's Office, Town Hall, Manchester.
Gregson, George Ernest	106, Lord Street, Southport.
Gunson, Ernest	10, Marsden Street, Manchester.
Hadfield, Edward	42, Deansgate, Manchester.
*Hall, John Herbert	1, Cooper Street, Manchester.
Harris, John Henry	Royal Liver Buildings, Liverpool.
Harrison, Percy	Town Hall, Middleton.
*Hartley, Henry..	Bristowe Chambers, 8, Harrington Street, Liverpool.
Haywood, Charles Spencer ..	Higher Mount, 240, Burnley Road, Accrington.
Hepworth, Ernest Alfred ..	75, Princess Street, Manchester.
Hewitt, Donald	Meadow Bank, Manchester Road, Burnley.
Hoose, Ellis Lanceley	10, Dale Street, Liverpool.
Horsburgh, William Peter ..	D.16, Exchange Buildings, Liverpool.
Hurrell, John Weymouth ..	17, Stretford Road, Manchester.
Hutchins, James Bushell ..	11, Lord Street, Liverpool.
Ince, Alfred Ethelbert	48, Bertrand Road, Bolton.
Jackson, Harry	23, Brazennose Street, Manchester.
Jackson, John Harold	18, Booth Street, Manchester.
Jackson, Robert	District Commissioners' Office, Ministry of Agriculture, Prudential Buildings, Dale Street, Liverpool.
Jenkins, Albert David	Surveyor's Office, Municipal Buildings, Liverpool.
Kelly, Sydney Appleton.. ..	24, The Albany, Oldhall Street, Liverpool.

KERSHAW, GEORGE	Grosvenor Chambers, 16, Deansgate, Manchester.
KING, FRANCIS HOLDEN	Estate Office, Foxholes, Rochdale.
*KIRBY, FRANCIS JOSEPH	5, Cook Street, Liverpool.
KIRKWOOD, NORMAN FRASER ..	Oriel Chambers, Water Street, Liverpool
LAW, WILLIAM HEELIS	51, North John Street, Liverpool.
LAW, WILLIAM MILLER	51, North John Street, Liverpool.
LEECH, ARTHUR HENRY	11, King Street, Wigan.
LINDLEY, JOHN	36, Alexandra Road South, Manchester.
LINGARD, WILLIAM	15, Cooper Street, Manchester.
LINNEY, JOSEPH FREDERIC ..	12, Tib Lane, Cross Street, Manchester.
LOADES, FRANK CHARLES	Borough Engineer's Office, Town Hall, Southport.
LOWDEN, CHARLES GORDON ..	18-24, Cornwallis Street, Barrow-in-Furness.
LUKE, JOHN	Town Hall, Manchester.
LYSTER, FRANK OLIVER	Parish Offices, Brownlow Hill, Liverpool.
MARKHAM, FREDERICK WARREN..	90, Deansgate, Manchester.
MARSDEN, JOHN WILLIAM	Valuation Dept., 78, King's Street, Manchester.
MARSH, THOMAS ASPINALL	Leaders Buildings, King Street, Wigan.
MASON, ARNOLD STEWART ..	Engineer's Dept., Corporation Waterworks, Liverpool.
MEDRINGTON, ARTHUR CHARLES PERCY, M.A. (*Cantab.*)	Oriel Chambers, Water Street, Liverpool.
MORRIS, WILLIAM	77, King Street, Manchester.
NICHOLSON, JAMES..	15, Westwood Road, Bolton.
NUTTALL, HERBERT, A.M.I.C.E., F.G.S.	30, Highgate Avenue, Fulwood, Preston.
NUTTER, JOHN..	Valuation Dept., Inland Revenue, Market Square, Lancaster.
PAIN, COARD HENRY	51, North John Street, Liverpool.
PARKINSON, JOSEPH	10, Victoria Street, Liverpool.
PEARSON, BENJAMIN JOHN ..	14, Lynwood Road, Aintree, Liverpool.
PIERPOINT, REGINALD	12, Tib Lane, Cross Street, Manchester.
PLATT, FREDERICK WILLIAM ..	Housing Department, Town Hall, Manchester.
POPLE, ARTHUR WILLIAM	Royal Liver Buildings, Liverpool.
*REA, JOHN MARCUS BEAUMONT..	8, Winckley Street, Preston, and Lytham.
REES, THOMAS TALIESIN, F.R.I.B.A.	May Buildings, North John Street, Liverpool.
REYNOLDS, ARTHUR HUGH	67, Lord Street, Liverpool.
RICHARDS, DANIEL HERBERT ..	c/o Orr's Zinc White, Ltd., Widnes.
RIGBY, THOMAS H.	Leaders Buildings, King Street, Wigan.
RIMMER, JOHN STANISLAUS ..	48, Castle Street, Liverpool.
ROBINSON, GEORGE EDWARD ..	7, Tackett's Street, Blackburn.
SECKER, JOHN EUSTACE	Daresbury, Warrington.
SHELMERDINE, HENRY	59, Albert Road, Southport.

SHERLOCK, EDWARD DENTON ..	25, Lever Street, Manchester.
SMITH, JOHN THOMPSON..	34, John Dalton Street, Manchester.
SMITH, THOMAS SUMNER	25, Cross Street, Manchester.
SUTCLIFFE, ALBERT JAMES	10, Victoria Street, Liverpool.
TANSLEY, DAVID THOMAS ..	City Surveyor's Office, Town Hall, Manchester.
TAYLOR, EDWIN THURLOW	Endsleigh, South Drive, St.Anne's-on-Sea.
TAYLOR, SHEPHERD HOAD, A.M.I.C.E.	Valuation Office, Inland Revenue, 78, King Street, Manchester.
TAYLOR, THOMAS WALTERS	17, Stretford Road, Manchester.
THOMAS, GLEGGE	Warriston, St. Michael's Hamlet, Liverpool.
THOMAS, SAMUEL	9, South Parade, Manchester.
THOMPSON, CHRISTOPHER	18, Wood Street, Bolton.
*THOMPSON, FRANCIS WILLIAM ..	Fairhaven, Albert Road West, Heaton, Bolton.
THOMSON, CHARLTON, MAJOR ..	5, Cook Street, Liverpool.
TURNER, HAROLD ERNEST	Union Chambers, Stamford Street, Ashton-under-Lyne.
TURNER, HENRY	121, Watling Street Road, Fulwood, nr. Preston.
TURNER, LEONARD CECIL	Earl of Wilton's Estate, Radcliffe.
TURTON, FLETCHER THOMAS	Hazel Bank, Huyton, Liverpool.
WALKER, GEORGE DUTTON	City Surveyor's Office, Town Hall, Manchester.
WALKER, HOWARD JAMES	33A, King Street, Wigan.
WALLWORK, JESSE	Bridgewater Offices, Walkden, Manchester.
WALMESLEY-COTHAM, IVAN	Weld-Blundell Estates Office, Birkdale, Southport.
WARD, HARRY BERNARD	Commerce Chambers, 15, Lord Street, Liverpool.
WARE, EDMUND	43, Imperial Buildings, 20, Exchange Street East, Liverpool.
WHINNERAH, WILLIAM	c/o Thomas Fair & Son, Estate Offices, Lytham.
WHITE, WALLACE	2, Kingston Road, Didsbury, Manchester.
WILSON, JOHN HENRY..	4, King Street, Blackburn.
WILSON, LAWRENCE RICHARD ..	Bank of England Chambers, Tib Lane, Manchester.
WILSON, WILLIAM EDWARD ..	Land Valuation Office, 78, King Street, Manchester.
WILSON, WILLIAM HENRY	5, New Brown Street, Manchester.
WITHAM, JAMES BERNARD.. ..	7, Bennett Road, near Crumpsall, Manchester.
WORRALL, ERNEST, M.I.C.E. ..	Stretford Council Offices, Old Trafford.
WORTHY, MICHAEL JOHN	15, Lord Street, Liverpool.
*YOUNG, OSWALD WILLIAM	6, Dale Street, Liverpool.

PROFESSIONAL ASSOCIATES:

ABBOTT, OSCAR LEWIS	14, Carrington Road, Flixton, Manchester.
ADDIE, ALAN LESLIE FORRESTER	City Surveyor's Office, Town Hall, Manchester.
ALEXANDER, THOMAS MACKELVIE	c/o Woolfall & Eccles, 60, Castle Street, Liverpool.
ARCHER, HERBERT HUMBLEY ..	6 and 7, Promenade, Southport.
ARDERN, VENICE	26, New Market Street, Blackburn.
ASHTON, ARTHUR, A.R.I.B.A. ..	Clifton Chambers, Wood Street, St. Anne's-on-Sea.
BALL, ERNEST WRIGHT, A.M.I.C.E.	15, Hoghton Street, Southport.
BARK, JOHN ELDON	7, Moorfields, Liverpool.
BARLOW, JAMES	The Elms, Whitefield, Manchester.
BEAVAN, WILLIAM FRANKLIN ..	Union Court, Cook Street, Liverpool.
BELL, DAVID JAMES	73, Orrell Lane, Aintree, Liverpool.
BENTLEY, JOHN	Holmwood, Slade Lane, Levenshulme.
BIBBEY, THOMAS	Mersey Buildings, 18, James Street, Liverpool.
BLACKBURN, EDGAR	Acre House, Walmer Road, Birkdale.
BLEAKLEY, JAMES FRANKLIN, CAPT.	Ashlea, Church Road, Flixton, near Manchester.
BOTTOMLEY, BENJAMIN GREEN ..	20, Edna Street, Crumpsall, Manchester.
BOWES, ARTHUR ALKER	21, Imperial Chambers, 62, Dale Street, Liverpool.
BOWKER, WILLIAM EDWARD ..	32, Dumbarton Road, Lancaster.
BOWTELL, WILLIAM EDGAR	76, Newton Street, Piccadilly, Manchester.
BOYDELL, FRANK LOUIS	85, St. Helen's Road, Leigh.
BROWN, THOMAS STANLEY	Dalkey, Ballbrook Avenue, Withington, Manchester.
BRUCE, REGINALD	Town Hall, Manchester.
BUCKLEY, ALFRED EUSTACE ..	11, Clifton Street, Lytham.
BURGESS, ARTHUR	Estate and Rating Office, Mersey Docks and Harbour Board, Liverpool.
BURTON, ERNEST	35, Byron Street, Patricroft, near Manchester.
CALDWELL, FRED	52, Ashbourne Road, Aigburth, Liverpool.
CALLAN, JAMES WILSON	Village View, Burnage Lane, Didsbury.
CHAPMAN, RICHARD THWAITE, A.R.I.B.A.	Highrigg, Eastbourne Grove, Heaton, Bolton.
CHAPPLE, JOHN	St. Clair, Harboro Road West, Ashton-on-Mersey.
CHARLES, JOHN ACHESON	191, Abbey Road, Barrow-in-Furness.
CLARKE, FRANK HAROLD	9, Hoghton Street, Southport.
CLARKE, JAMES ANDREW	39, Meldon Road, Longsight.

Clarke, William Thomas	Crossley Buildings, 18A, South Castle Street, Liverpool.
Cliffe, Tom Fairhurst	Craig Dene, Wigan Road, Ashton-in-Makerfield.
Clough, Herbert Healey	25, Fenton Street, Rochdale.
Collyer, Daniel William	34, Miller Arcade, Preston.
Conway, Frederick James Kelshaw	12, St. John's Lane, Liverpool.
Cooper, Francis W.	3, Wrightington Street, Wigan.
Corfield, Arthur King	1, Windsor Avenue, New Longton, near Preston.
Cornwell, William James ..	5, Douglas Street, Vickerstown, Barrow-in-Furness.
Cottam, Harry, A.M.I.C.E.	Resident Engineer, Fylde Water Board, Hodder Valley Works, Dale Head, Clitheroe.
Counsell, William Anderson ..	Union Valuer's Office, 160, Walker Street, Preston.
Crosby, Arthur Benson ..	Union Offices, Parson's Lane, Bury.
Cross, Cyril John, Capt. ..	51, Broadgate, Preston.
Crossley, Vernon	61, Hollingworth Road, Littleborough, near Manchester.
Daniels, Thomas Goldsworthy	69, Derby Lane, Stoneycroft, Liverpool.
Davies, Albert George	City Surveyor's Office, Town Hall, Manchester.
Dedicoat, Joseph Leonard ..	31, Moor Lane, Great Crosby, Liverpool.
Dewhurst, Thomas Herbert ..	23, Symonds Road, Preston.
Eaton, Rowland Wynne	Central Buildings, North John Street Liverpool.
Eccleshall, George Bennett ..	34, Bradford Terrace, Worsley Road, Farnworth.
Eden, Frederick Stewart	5, Hampton Road, Chorlton-cum-Hardy Manchester.
Ellam, Geoffrey Walter	5, Cavendish Road, Chorlton-cum-Hardy
Entwistle, Thomas	Hazelwood, Temple Drive, Swinton Manchester.
Evans, Ernest	c/o Messrs. J. Reynolds & Co., 49 King Street, Manchester.
Fairclough, Vincent	The Gables, Leigh.
Finister, Harry	Public Offices, Huyton, near Liverpool
Flitcroft, Percy	Ellesmere Estate Office, Worsley.
Forster, Edmund Taylor ..	44, Devonshire Road, Liverpool.
Fulton-Smith, Graeme Gartshore	Queen's Chambers, 26A, Sankey Street Warrington.
Gardner, Henry, Jun.	Farlea, Carleton, Poulton-le-Fylde.
Gill, William Ernest	2, Solness Street, Bury.
Gorse, Frank	Northcote, Liverpool Road, Gt. Sankey Warrington.

Goulding, William Whittaker..	8, Marshall Road, Levenshulme, Manchester.
Greenhalgh, Harold	179, Settle Street, Great Lever, Bolton.
Greenwood, James Hedley ..	33, Rochdale Road, Harpurley, Manchester.
Greenwood, William	11, Richmond Terrace, Blackburn.
Gregory, William James ..	5, Booth Road, Whalley Range, Manchester.
Griffiths, Samuel Price ..	Hadley, Alderley Edge, near Manchester.
Grimshaw, Allan Leslie	252, Elliott Street, Tyldesley.
Harker, Alec	71, Belgrave Road, New Moston, Failsworth, Manchester.
Harrison, Ernest	Westbrook, Bolton-le-Sands, near Carnforth.
Harrison, Norman Simons ..	Field Head, Brierley, near Barnsley.
Hart, Robert	Hillcrest, Radcliffe New Road, Whitefield, Manchester.
Haworth, Thomas..	Ivanhoe Villa, Walton-le-Dale, nr. Preston.
Heaton, Herbert	41, Fishergate, Preston.
Heeley. Hixon Harry	Divisional Estate Office, L.M. & S. Rly., Hunt's Bank, Manchester.
Hellier, Stanley John, Capt.	Council Offices, Formby, near Liverpool.
Heywood, Reginald	County Surveyor's Department, Lancashire County Council Offices, Preston.
Hill, William	41, North John Street, Liverpool.
Hobbs, Herbert Prenzel ..	10, Marsden Street, Manchester.
Hodgkinson, James Henry ..	23, Delamere Street, Ashton-under-Lyne.
Howard, Samuel	3, Whitehall Street, Rochdale.
Huckstep, John Edward	Room 2, 184, Deansgate, Manchester.
Hughes, Ernest	129, West Derby Road, Liverpool, E.
Hutton, William Hugh ..	Gill Moss, Croxteth, Liverpool.
Hynd, John	23, Westbourne Grove, Withington, Manchester.
Ingham, George Taylor	42, Deansgate, Manchester.
Jackson, Alfred Ernest	Town Hall, Southport.
Jackson, John Edward	132, King Street, Dukinfield, Manchester.
Jones, Arthur Dew	City Surveyor's Office, Town Hall, Manchester.
Jones, Ernest Hywel..	65, Newsham Drive, Liverpool.
Jones, Reginald	1, Windy Nook, Garstang Road, Fulwood, Preston.
Keighley, Samuel..	60, Albion Street, Burnley.
Keighley, Samuel, Jun.	70, Albion Street, Burnley.
Killender, Henry Claude, A.R.I.B.A.	Jubilee Buildings, 16, Lord Street, Liverpool.
Lawton, Robert Allison ..	37, Rectory Road, near Crumpsall, Manchester.

Lees, George	25, Radcliffe Street, Oldham.
Lowe, John	66, Swinley Road, Wigan.
Mackay, William	75, Oak Road, Crumpsall, Manchester.
Mackereth, William Moore ..	The Garth, Pennybridge, near Ulverston
McNicol, John, A.R.I.B.A.	First Asst. Surveyor, Manchester and District Town Planning Advisory Committee, Town Hall, Manchester.
MacRae, Charles	3, Station Road, Ormskirk.
Mair, William Fraser	65, Norwood Road, Stretford, Manchester.
Mangan, Wilfrid Clarence ..	18, Guildhall Street, Preston.
Middleton, John Ellis	23, Clifton Street, Blackpool.
Miller, Thomas Hartley	Worsthorne Estate Office, Todmorden Road, Burnley.
Mitchell, John Richard Daniel	Thorn Bank, Temple Drive, Swinton, near Manchester.
Morris, William, A.M.I.Struct.E. ..	2, St. Brendans Road, Withington, Manchester.
Morrison, Daniel	41, John Dalton Street, Manchester.
Morton, James Dunlop	22, Marlborough Road, Waterloo, nr. Liverpool.
Morton, Thomas Chalmers ..	39, Princess Street, Manchester.
Newman, John Albert	7, Swinley Road, Wigan.
Oddy, Joseph Ronald Ridley ..	47, Moreton Street, Chadderton, nr. Oldham.
Ovenden, Hugh	Holmfield, Whitestake, near Preston.
Page, Arthur Reginald ..	Belle Vale Lodge, Gateacre, near Liverpool.
Park, Edward	Prospect House, Greenodd, Ulverston.
Parkin, Charles Frederick ..	37, Brighton Street, Barrow-in-Furness.
Paterson, John Rimmer	16, Cook Street, Liverpool.
Pearson, Thomas Gibson	Town Hall, Barrow-in-Furness.
Peel, William Ralph	Salisbury Hall, Ribchester, nr. Preston.
Pennington, Stanley Muncaster	10, Merton Road, Bootle.
Percival, Frank Neville	Estate Office, Singleton Park, Poulton-le-Fylde.
Perrins, George Latham	23, Halifax Road, Ainsdale, Southport.
Pickin, Robert William ..	52, Morland Road, Burnley.
Pickup, John	43, Eldon Road, Blackburn.
Pierpoint, Leonard	31, King Street, Wigan.
Pitts, Douglas Yate	54, Huskisson Street, Liverpool.
Poole, Reginald	95, Merton Road, Bootle, Liverpool.
Potts, Gilbert Ackroyd	34, Victoria Buildings, Victoria Street, Manchester.
Pritchard, William, A.R.I.B.A. ..	Housing Department, Municipal Buildings, Liverpool.
Pursglove, Archibald, A.R.I.B.A.	10, Elmsmere Road, Fog Lane, Didsbury, Manchester.

RIDER, WILLIAM HERBERT ..	2, Curzon Road, Southport.
RILEY, RICHARD HOLDEN	Ingledene, Merlin Road, Blackburn.
ROBINSON, GEORGE INGRAM ..	7, Tacketts Street, Blackburn.
ROBINSON, MAURICE DIXON ..	7, Tacketts Street, Blackburn.
RULE, THOMAS	33, Melling Road, Southport.
SAVAGE, TOM ALBERT	36, Moston Road, Middleton Junction, Manchester.
SAWBRIDGE, DANIEL	Kensington House, Wigan Lane, Wigan.
SCHOLES, JOHN GREAVES	Bank Head, Bamber Bridge.
SELBY, JOHN BASELEY	Atherton Hall, Leigh, near Manchester.
SIBBALD, WILLIAM LOGAN ..	75, Langshaw Street, Old Trafford, Manchester.
SIMONDS, CHARLES CABOURN BANNISTER	c/o Messrs. Boult Son & Maples, 5, Cook Street, Liverpool.
SIMPSON, HARRY TREVOR	28, Albany Road, Blackburn.
STANSFIELD, HUBERT RIGG ..	Roche Dene, Alexandra Avenue, Cleveleys, near Blackpool.
STEPHEN, JOHN, JUNR.	30, Coronation Drive, Blundellsands, Liverpool.
SUMMERFIELD, JOHN WILLIAM ..	43, Arnold Street, Princes Road, Liverpool.
TAYLOR, JOHN HOWARTH	Bridgewater Offices, Walkden, Manchester.
THAYER, JOHN DIAMOND	1, Harringay Avenue, Liverpool.
THOMPSON, ARTHUR TAYLOR.. ..	Fairhaven, Albert Road West, Heaton, Bolton.
TIDMARSH, CHARLES BAILLIE ..	L. & N.E.Rly, District Estate Office, 12, Paton Street, Piccadilly, Manchester.
TONG, FREDERICK NORMAN.. ..	44, Church Road, Smithills, Bolton.
TURNER, HERBERT..	49, Deansgate, Manchester.
TURNER, WILFRID ARCHER ..	Union Chambers, Ashton-under-Lyne.
WALKER, WILLIAM ALBERT, A.M.I.C.E.	Borough Engineer's Office, Town Hall, Salford.
WALTHEW, ROBERT BATTERSBY ..	51, North John Street, Liverpool.
WARD, JOHN ELDON	10, Wynsdale Road, Bolton.
WHITAKER, GEORGE	Engineer's Department, Fylde Water Board, Sefton Street, Blackpool.
WHITTLE, HENRY	c/o de Trafford Estate Office, 83, Bridge Street, Manchester.
WICKENDEN, ERNEST	City Surveyor's Office, Town Hall, Manchester.
WILKINS, CHRISTOPHER	The Grove, Longton, near Preston.
WILKINSON, JOSEPH PATTERSON	The Elms, Whitefield, nr. Manchester.
WILLIAMS, JOSEPH BERTRAM ..	54, Church Street, St. Helens.
WILLIAMS, RICHARD JOHN	3, Rectory Road, Higher Crumpsall, Manchester.
WILLIS, GEORGE	Sandycroft, Flixton Road, Urmston, Manchester.

Willis, Thomas	22, Hornby Terrace, Morecambe.
Winstanley, Thomas	90, Deansgate, Manchester.
Woodman, Greenwood	Hooten Cottage, Leigh.
Yates, Harold	50, Lynwood Road, Blackburn.

ASSOCIATE:

Hedges, Alfred Victor	29, Prestwich Street, Burnley.

PROBATIONERS:

Bownas, William	16, Nelson Road, Victoria Avenue, Blackley, Manchester.
Bridgford, James Alan	Dornden, Disbury Park, Manchester.
Burgess, Samuel Hobson ..	171, Cross Street, Sale, Manchester.
Cooper, Walter Dewhurst ..	23, Hartington Street, Barrow-in-Furness.
Cross, Francis William Barham	77, King Street, Manchester.
Draper, Louis Henry	148, Manchester Road, Rochdale.
Graddon, Reuben Harold ..	71, Virginia Street, Southport.
Grisdale, George	9, Rowena Street, Great Lever, Bolton.
Grundy, George Alwyn ..	Orchard Dene, Rainhill.
Hartley, Albert	200, Honeywell Lane, Oldham.
Henshaw, Robert Rushton ..	The Estate Office, Croxteth, Liverpool.
Johnstone, James Lloyd Warrack	Middlewood, Aughton, Ormskirk.
Kinsella, Tom	17, Beechwood Avenue, Chorlton-cum-Hardy, Manchester.
Leather, Clifford Richardson	18, James Street, Lower Crumpsall, Manchester.
Metcalfe, Henry Royle ..	Newholme, Alan Road, Withington, Manchester.
Middleton, Edgar	195, Oldham Road, Rochdale.
Roberts, Gwilym Caradoc ..	10, Darlington Street, Cheetham Hill, Manchester.
Slater, John Alfred	Mouldings, Whittingham Lane, Goosnargh, near Preston.
Townend, Herbert Victor ..	14, Moss Street, Rochdale.
Venour, Harold Alfred ..	Municipal Buildings, Liverpool.
Walmsley, John	4, Yew Tree Terrace, Grimsargh, Preston.
Whitaker, Lawrence Leo ..	114, Wigan Road, Ashton-in-Makerfield.
Yorston, James Harold ..	City Surveyor's Office, Town Hall, Manchester.

STUDENTS:

Ashworth, Joseph Fletcher	28, Highfield Road, South Shore, Blackpool.
Atkinson, John Kenneth ..	3, Wembley Gardens, Aintree, Liverpool.
Boardman, Sydney	1028, Middleton Road, Chadderton.
Coleman, Frank Oswald ..	Ellel Vicarage, near Lancaster.
Coleman, Matthew Pemblett..	The Willows, Haydock.
Lockwood, Arthur	37, Trafford Street, Preston.
Lyle, Roy Gordon	176, Liverpool Road, Great Crosby, Liverpool.
Rowbotham, William	99, Lancaster Road, Morecambe.
Sykes, Geoffrey Herbert ..	51, York Road, Birkdale.
Taylor, Colin	Esthwaite, Croston Road, Farington, Preston.
Williams, Frank Harrison ..	4, Lorne Road, Waterloo, nr. Liverpool.
Willis, Charles	22, Hornby Terrace, Morecambe.

LEICESTERSHIRE.

(Leicestershire, Northamptonshire, and Rutland Branch.)

FELLOWS:

Aspell, Fred Hewlings	32, Halford Street, Leicester.
Banks, Frederick Stuart Angus	Lloyd's Bank Chambers, Leicester.
Burt, John Thomas	6A, St. Martin's, Leicester.
Carlton, Harry Weston	Burnmill Hill, Market Harborough.
Coales, Herbert George, A.M.I.C.E.	Local Board Offices, Market Harborough.
*Fisher, Charles Browning, C.B.E.	Market Harborough.
*German, George	Rawdon Terrace, Ashby-de-la-Zouch.
German, George Joseph	Ashby-de-la-Zouch.
*German, John	Ashby-de-la-Zouch.
Haigh, Thomas Frederick ..	7, Friar Lane, Leicester.
Hincks, Henry Thorp..	Keyham, near Leicester.
*Keay, William	6, Millstone Lane, Leicester.
Norman, Stuart Henry	Auction Mart, Halford Street, Leicester.
*Rolleston, William Gustavus Stanhope	Grey Friars, Leicester.
Snow, Henry Cyprian	10, Pocklington's Walk, Leicester.
Thorpe, John..	Market Bosworth.
Woolley, Maurice Theodore ..	Rectory Place, Loughborough.

PROFESSIONAL ASSOCIATES:

Ashwell, Philip Ecob	c/o Andrew & Ashwell, 45, London Road, Leicester.
Astill, Frederic Harry	Kirby Park, Melton Mowbray.
Ballard, Percy	79, Aylestone Road, Leicester.
Chamberlain, Reginald Percy, Capt., m.c.	23, Fosse Road Central, Leicester.
Darnell, Charles Tilley	The Gables, Blaby, near Leicester.
Elmes, Frederick Lansell	Southolm, Knighton Road, Leicester.
Everard, Bernard	6, Millstone Lane, Leicester.
Fysh, Percy William	4, Melbourne Road, Leicester.
Gimson, Martin	6, Millstone Lane, Leicester.
Goodwin, Percy Worthington ..	Copston, Hinckley.
Green, Reginald George ..	Theddingworth.
Joyce, Harry Ward, b.sc. ..	Alton Grange, Ashby-de-la-Zouch.
Lewis, Francis	Shortacre, Wigston Fields, near Leicester.
Lynam, Charles Roy	264, Wilford Road, Leicester.
Orchard, Alfred Dean	Hinckley.
Orton, William Goodacre ..	9, Gopsall Street, Leicester.
Sanders, Denis Charles W. ..	East Farndon Hall, Market Harborough
Scott, William Easton	170, Fosse Road South, Leicester.
Shelbourn, Philip Clive	South Parade, Melton Mowbray.
Symons, Cecil Frederick ..	Devonia, North Town, Ashby-de-la-Zouch.
Thompson, John Clulow	Smeeton House, Smeeton, Leicester.
Woolley, John Leyland ..	Rectory Place, Loughborough, Leicestershire.

PROBATIONERS:

German, Guy Johnson	Rawden Terrace, Ashby-de-la-Zouch.
Newcombe, Reginald John ..	Red House, Market Harborough.

STUDENTS:

Bland, Edmund Arthur ..	The Cot, Oxendon, Market Harborough.
Newcombe, Arthur Roy ..	Red House, Market Harborough.

LINCOLNSHIRE.

(Nottingham, Lincoln and N. Derby Branch.)

FELLOWS:

Beasley, Thomas Calvert Platt	Harston, Grantham.
Bradshaw, Arthur George ..	County Surveyor, Newland House, Lincoln.
Crofts, Ewan Nevile	Caythorpe, Grantham.
*Foot, Harold John	15, Barn Hill, Stamford.
Fuller, Ernest Benjamin ..	Cornmarket, Louth.
Hailey, Victor	3, Minster Yard, Lincoln.
Haynes, Algernon Richard ..	Cooney Court, Brigg.
*Higgins, Frederic	Alford.
Ingram, James Francis..	Valuation Office, Inland Revenue, West St. Mary's Gate, Grimsby.
Kerr, John Murray	Inland Revenue, London City and Midland Chambers, High Street, Lincoln.
Mason, Charles	Newton House, Queen Street, Louth.
Morris, Arthur	Valuation Office, Inland Revenue, West St. Mary's Gate, Grimsby.
Riggall, Jabez Allan	Grimsby.
Robinson, Alfred Keon	Victoria Chambers, 87, Victoria Street, Grimsby.
Stone, Frederic	Estate Office, Elsham, Grimsby.
*Tindall, Charles William ..	Wainfleet, S.O.
Wilson, William Edwin	Roselea, 1st Avenue, Lacely Road, Grimsby.
Wood, Harold	4, South St. Mary's Gate, Grimsby.
Wood, Leonard	4, South St. Mary's Gate, Grimsby.
*Woolley, Reginald Smith ..	Silver Street, Lincoln.

PROFESSIONAL ASSOCIATES:

Archer, John	2, Bigby Road, Brigg.
Bates, Oscar George	Estate Office, Canwich, Lincoln.
Bell, Harry Cecil	Shirley Croft, Grantham.
Buttrick, Walter Hammond ..	Bank Chambers, 109, High Street, Scunthorpe.
Crofts, Peter Ewan	The Old House, Gaythorpe.
Crowley, Walter St. Ledger..	32, Hall Place, Spalding.
Darley, Robert Bradshaw, Capt.	Sutton Bridge.
Else, Charles Glossop	Surveyor's Office, Barton-on-Humber.
Evans, Charles Stokes Eaton ..	Petwood Estate Office, Woodhall Spa.
Hunter, Vivian John	98, Buckingham Street, Scunthorpe.
Ingleby, Ernest James, n.d.a. ..	Normanton Lodge, Stamford.

Lawrence, Charles William Johnson	The Elms, Rushington, Sleaford.
Miller, Arthur William ..	10, Princes Road, Northfields, Stamford.
Palmer, Charles Drayton	c/o District Valuer, High Bridge, Lincoln.
Smith, Douglas	Brownlow Estate Office, 40, Manthorpe Road, Grantham.
Spencer, Aubrey Vere, Major, d.s.o.	Sutton Bridge.
Turner, Drysdale	165, West Parade, Lincoln.
Wright, Philip Chetwood	Brattleby Hall, near Lincoln.

PROBATIONERS:

Barron, John Reynolds ..	Bottesford Road, Ashby, nr. Scunthorpe.
Foster, Herbert Edward ..	31, Ripon Street, Lincoln.
Young, Alec	25, Empingham Hill, Stamford.

STUDENT:

Barrell, George Freeman ..	11, Avenue Road, Grantham.

MIDDLESEX.

(Bedford, Essex, Hertford, and Middlesex Branch).

FELLOWS:

Abrams, Benjamin Percy ..	87, High Road, Kilburn, N.W.6.
Assiter, Harry G...	The Weald House, Harrow Weald.
Biscoe, Francis Edwin	2, College Road, Harrow-on-the-Hill.
Bowller, Walter John	47, Somerton Road, Cricklewood, N.W.2
Chanter, Horace Raymond, a.r.i.b.a.	7, Whitehall Gardens, Acton Hill, W.3.
Chappell, Frank Richardson	153, Stapleton Hall Road, Stroud Green, N.
Charles, Richard Dudley Stafford	Green Acres, Stanmore.
Clarke, George Ernest ..	31, The Mall, Southgate, N.14.
Crabb, Henry Ralph	Public Offices, Enfield.
Crier, John Thomas	12, Hoveden Road, Cricklewood, N.W.2.
Crump, Harold	Quarndon, 8, Ashbourne Avenue, Golder's Green, N.W.
Cubitt, Ernest James	13, Goldsmith Avenue, Acton, W.3.
Dampney, Cyril John	38, Midhurst Avenue, East Finchley, N.2.

DOD, HERBERT CHARLES WILLIAM	14, Elgin Road, Alexandra Park, N.22.
DODGE, HENRY WILLIAM	120, High Street, Brentford.
*DONE, JOHN JAMES	Cricklewood, N.W.
EVES, FRANCIS GEORGE BERTRAM	54, High Street, Uxbridge.
EVES, WILLIAM LIONEL..	54, High Street, Uxbridge.
FAIRMINER, WILLIAM JAMES ..	Ye Homesteade, 40, Hallswelle Road, Golder's Green, N.W.
FISHER, ROBERT	Glen Esk, Preston Road, Wembley.
FITT, HARRY CHARLES	21, Craven Avenue, Ealing, W.
FOX, EDWIN	Ballard's Lodge, North Finchley, N.12.
FRENCH, CECIL GEORGE, MAJOR..	11, Hervey Close, Church End, Finchley, N.
GAMBLE, SIDNEY GOMPERTZ, A.M.I.C.E.	16, Queen Anne's Gardens, Bedford Park, W.4.
GIMSON, ALLEN	16, Woodridings Avenue, Hatch End.
GUIVER, DUDLEY..	45, High Street, Ponder's End.
HALL-JONES, FREDERICK	35, The Broadway, Ealing.
HARDY, ERNEST CARLISLE	5, Gainsborough Road, Bedford Park, W.4.
HARFIELD, ALFRED GEORGE ..	Wellesley, Cavendish Avenue, Finchley, N.3.
HEBDEN, FRANCIS RADCLIFFE ..	Valuer's Department, Inland Revenue, 72, Clifden Road, Twickenham.
HEWLITT, HORACE JAMES ..	High Road, Weald Village, Harrow.
HICKS, WILLIAM ROOKE, A.M.I.C.E	Town Hall, Ealing, W.
HINTON, HERBERT ARTHUR ..	5, Crouch Hill, N.
HODSON, LAURENCE SCRIVENER	Opposite Great Northern Railway Station, Palmer's Green, N.
HOME, PHILIP WOOLLATT	63, Weston Park, Crouch End, N.8.
HORNE, EDMUND	High Street, Hounslow.
HUNT, HERBERT CHARLES.. ..	33, Broom Water, Teddington, Middlesex.
JARMAIN, WILLIAM	Alandale, Hatch End.
JEYES, CHARLES RIX	70, Dukes Avenue, Muswell Hill, N.10.
LAKE, CUTHBERT	Hatch End.
LAKE, RALPH JULIAN	Heage House, Crouch Hill, N.
LAMBERT, ARTHUR JOHN	36, Hindes Road, Harrow.
LAWLEY, GEORGE FRANK	38, Willoughby Lane, Tottenham, N.
MCILWRAITH, JOHN FORSYTH ..	20, The Mall, Southgate, N.14.
MANN, WALTER	30, Rosemount Avenue, North Finchley, N.12.
MARTIN, THOMAS	39, Osborne Road, Palmer's Green, N.13.
MONSON, EDWARD CHARLES PHILIP, F.R.I.B.A.	182, High Street, Acton, W.
NEWMAN, BERNARD	19, Villiers Road, Southall, W.
NEWMAN, HENRY ARTHUR, A.M.I.C.E.	Council Offices, Church End, Finchley, N.
NORMAN, HERBERT JOHN	Cave House, Uxbridge.

PEARCE, FRED W.	Surveyor's Office, Town Hall, Twickenham.
PERKIN, HERBERT	17, Welldon Crescent, Harrow.
PERRY, CHARLES WILLIAM ..	18, Spencer Avenue, Palmer's Green, N.13.
PITT, JOSEPH HENRY	14, Harvist Road, Brondesbury Road, N.W.
PORTER, EVELYN DE BOCK	Valuation Office, 38, Lansdowne Road, Tottenham, N.17.
POWER, PERCY TOMES	c/o Gale, Power & Co., 122, High Street, Staines.
RACKHAM, HAROLD WILFRED ..	Engineer and Surveyor to Hendon R.D.C., Stanmore.
RAYMOND, WALTER LESLIE ..	The Estate Office, Golder's Green, N.W.
READ, WALTER HERBERT	The Avenue, West Ealing, W.
REEVES, CHARLES WESTCOTT ..	Bramshaw, Uplands Park, Enfield.
RYLAND, LORENCE	Valuation Department, 72, Clifden Road, Twickenham.
SANDELL, STANLEY LUNAU ..	816, High Road, Tottenham, N.
SIMPSON, CECIL JOHN WILLIAM ..	24, Mount Park Crescent, Ealing, W.5.
SLATER, JAMES DENCH	20, Blythwood Road, Crouch Hill, N.4.
SMITH, GORDON WINTON MACKLIN	Brookfield. Neeld Crescent, Hendon, N.W.4.
STURT, CHARLES EDWIN	16, St. Stephen's Gardens, East Twickenham.
SUMMERSELL, JAMES GLEED ..	29, Strawberry Hill Road, Strawberry Hill.
SUTTON, FREDERICK STANLEY ..	St. Peter's, Hatch End.
SYMMONS, PERCY JAMES	37, Cranhurst Gardens, Willesden Green, N.W.
SYMS, REGINALD HARDY, MAJOR ..	1, Cleveland Avenue, Chiswick, W.4.
TAYLOR, JOHN HENLEY	Ingleside, Golden Manor, Hanwell, W.
TAYLOR, THOMAS OSBORNE ..	25, Grand Avenue, Muswell Hill, N.
WAIN, GEORGE SPARROW	Valuer's Office, 72, Clifden Road, Twickenham.
WALDRAM, PERCY JOHN	Robin's Croft, Second Avenue, Hendon, N.W.4.
WESTLAKE, WILLIAM JOHN WALTER	Clifden House, Brentwood.
WILLIS, EDWARD, M.I.C.E., M.I.M.E.	Engineer and Surveyor's Department, Town Hall, Chiswick, W.
WOOD, DOUGLAS, A.R.I.B.A. ..	The Cottage, Gordon Avenue, Stanmore.
WOOD, JOHN EDWARD	3, Baronsfield Road, St. Margarets-on-Thames.
WOODS, ARTHUR GEORGE	196, High Street, Hounslow.
WOODS, THOMAS	4 and 5, Church Parade, Hounslow.
WORRALL, JOSEPH RATCLIFFE	28, Northwich Park Road, Harrow.
WRAIGHT, GEORGE FREDERICK HAROLD	District Valuer's Office, 38, Lansdowne Road, Tottenham, N. 17.
WREATHALL, ROBERT T.	1, Sudbury Parade, Sudbury, N.W.

PROFESSIONAL ASSOCIATES:

Alexander, William Thomas Richard	64, Wellington Road, Hampton Hill, Fulwell.
Appleyard, Sidney Walter ..	14, Wakefield Road, New Southgate, N.11.
Armitage, Frederick George..	Llanberis, Park Crescent, Church End, Finchley, N.3.
Ash, Charles Anthony	89, Horsham Avenue, N. Finchley, N.12.
Austin, Joseph James Rowles..	Courtfield, Ealing Common, W.5.
Back, George	72, Mayfield Avenue, West Ealing, W.13.
Ballentine, David	18, Victoria Road, Mill Hill, N.W.7.
Barber, Harry John .. .	35, Woodstock Avenue, Golder's Green, N.W.
Barry, Arthur Thomas	4, Napier Road, Wembley.
Barton, Albert Clifford ..	1, Grand Parade, Teddington.
Bearman, Harry Victor	Derwent, Bridgewater Road, Woodside Park, N.20.
Beaumont, John Edmund ..	1, Landsown Road, Duke's Avenue, Muswell Hill, N.
Bell, Ethelbert Ernest ..	Longridge, London Road, Harrow-on-the-Hill.
Berry, Frank Lincoln	74A, Holland Road, Harlesden, N.W.10.
Bevington, Ernest	116, Cranley Gardens, Muswell Hill, N.
Bigham, Robert Alexander ..	8, Osborne Road, Willesden Green, N.W.2.
Bingham, Cyril Hugh	35, Coniston Road, Muswell Hill, N.10.
Bishop, Horace Stanley Charles	44, Flanders Road, Bedford Park, W.4.
Blake, John Patrick	Surveyor's Office, Council House, Hounslow.
Blyth, Charles Kydd	110A, Northview Road, Hornsey, N.8.
Booth, Howard Edwin	17, Holmwood Gardens, Church End, Finchley, N.
Boustred, Hubert William ..	80, Hanley Road, Stroud Green, N.4.
Brewer, Francis Henry James	73, Stapleton Hall Road, Stroud Green, N.4.
Brittain, Frank	11, Park Road, Chiswick, W.
Brown, Edgar Oswald ..	6, Russell Gardens, Golders Green, N.W.4.
Brown, Edward Walter William	Erlstoke, Woodhouse Road, N.12.
Bruzaud, Sidney John	25, Corringham Road, Golder's Green, N.W.11.
Buckland, William Thomas ..	72, Clifden Road, Twickenham.
Buckley, Cyril Hugh	22, Clyde Road, Alexandra Park, N.22.
Bumpstead, Albert Dennis ..	70, Heath Gardens, Twickenham.

Burnett, William John Felix	Fairmead, Beaulieu Villas, Finsbury Park, N.4.
Cameron, Donald	32, Egerton Gardens, Ealing, W.13.
Carr, Herbert Francis	52, Golders Green Road, N.W.4.
Child, George Malcolm	66, High Street, Harrow-on-the-Hill.
Clark, Robert Charles	30, Bedford Road, Harrow.
Clarke, Frederick Edward ..	Yew Tree Lodge, Feltham Hill Road, Ashford.
Clemens, William Cecil, A.M.I.C.E.	103, Hodford Road, Golders Green, N.W.11.
Cleveley, Frank Davis	14, Douglas Avenue, Wembley.
Clipson, Samuel..	Surveyor's Dept., Municipal Offices, Dyne Road, Kilburn, N.W.6.
Colbeck, Henry, A.R.I.B.A. ..	14, Grange Road, Ealing, W.5.
Conder, Alfred Rowland F.R.I.B.A.	42, Cecile Park, Crouch End, N.8.
Cotton, Arthur John Powell..	37, Woodberry Avenue, Winchmore Hill, N.21.
Cowley, Ernest Robert ..	78, Gresham Road, Staines.
Cranfield, Guy William, Major, M.B.E.	Bramley House, Enfield.
Cullington, Stanley Cyril ..	85, Farrant Avenue, Wood Green, N.22.
Cutmore, Henry James	76, Rosebank Avenue, Harrow.
Daborn, Alwyne Victor ..	21, Lower Teddington Road, Hampton Wick, Middlesex.
Daly, Alan Dunstan	4, Marlborough Hill, Harrow.
Davies, Leonard Owen	11, Freeland Road, Ealing, W.
Dixon, Francis Evelyn ..	Homeleigh, River Avenue, Palmer's Green, N.13.
Donaldson, James	50, Station Road, Hayes, Middlesex.
Done, John Paul Cussons ..	c/o Messrs. Done, Hunter & Co., Cricklewood, N.W.2.
Drury, William Alexander ..	66, West Street, Harrow.
Dutch, Robert Victor	48, Teignmouth Road, Cricklewood, N.W.
Easton, Walter John	82, Twyford Avenue, Acton Hill, W.
Elphick, Richard	4, Palace Mansions, Muswell Hill, N.
Every, Cecil Tom	105, Dartmouth Road, Brondesbury, N.W.2.
Farthing, Charles Harold.. ..	6, Station Yard, Twickenham.
Faulkner, John Brafield ..	5, Craven Park Road, Harlesden, N.W.10.
Field, Joseph	1, Christchurch Avenue, Wembley.
Finch, George Frederick ..	7, Crouch Hall Road, Crouch End, N.
Fitch, Cyril Henry	54, Castle Road, Isleworth.
Forge, Raymond James ..	c/o Holland & Co., Argyle Corner. West Ealing Station, W.

Fouracre, Frederick Walter	28, Mountfield Road, Church End, Finchley, N.3.
Fowler, Ernest Elias	4, Aden Grove, N.16.
Freeman, Leonard George ..	31A, Lichfield Grove, Church End, Finchley, N.3.
Gardner, Cecil Arthur	44, Talbot Road, Highgate, N.6.
Garnett, Wilfred Ewart ..	35, Holyoake Walk, Ealing, W.5.
Gasson, Bernard	28, Temple Gardens, Golder's Green, N.W.4.
Gayer, Alfred Edward, Major, M.C.	North London School of Surveying, 3, Finsbury Park Avenue, Hermitage Road, N.4.
Gibbs, Herbert Norman ..	7, Mountfield Road, Finchley, N.3.
Gibson, William	Templewood, Old Park Ridings, Grange Park, N.21.
Gilbert, Arthur	Brooklyn, Enfield Wash, N.
Gilbert-Lodge, Leicester James Garfield	38, Avondale Avenue, Woodside Park, N.12.
Godwin, Charles Fisher ..	Orchard Villa, Wellington Road South, Hounslow.
Goodall, Eric William Aldrich	26, Cromwell Avenue, Highgate, N.6.
Gray, Sydney John	186, Murray Road, Ealing, W.5.
Green, George Edward	10A, Vicarage Parade, West Green Road, N.15.
Green, Herbert Frederick ..	Town Hall, Hendon, N.W.4.
Green, Thomas Frank, F.R.I.B.A.	272, Willesden Lane, N.W.2.
Greenwood, Ernest	360, High Road, Chiswick, W.
Gumbrell, Leonard Barton ..	64, King Edward's Grove, Teddington.
Hadden, Frederick William ..	21, Bradley Gardens, Ealing, W.
Hall, Walter Howard A.M.I.C.E.	46, Queen's Road, Finsbury Park, N.
Hallam, Frank Vincent ..	55, Adolphus Road, Finsbury Park, N.4.
Harding, Henry Norman, Major, M.C.	Milton, Thornbury Road, Isleworth.
Hart, Frank James	44, Gordon Road, Ealing, W.5.
Hearn, George Leonard ..	Hill Field, Mill Hill, N.W.7.
Heaton, Guy	130, Uxbridge Road, Ealing, W.
Heeley, Joe	28, Alfred Road, Acton, W.3.
Hemmons, Bernard	10, Cambridge Park, Twickenham.
Hill, John Stuart	15, Addison Road, Bedford Park, W.4.
Hill, Sydney Norman	Lansdowne, Baker Street, Enfield.
Hilton, Oswald P. F., A.M.I.C.E.	Deputy Surveyor, Council House, Hounslow.
Hitchins, Stephen	75, Hillfield Park, Muswell Hill, N.
Horne, Edwin Chancellor ..	57, Hanworth Road, Hounslow.
Houghton, John Henry	Blakesware, Cambridge Road, Teddington.
Howard, Algernon	c/o P. Chase Gardener & Co., 269, High Street, Hounslow.

Humphreys, Reginald	Clifton House, Brentford, W.
Hunt, Maurice Leonard ..	8, Glebe Avenue, Enfield.
Jackson, Francis Joseph ..	121, Gresham Road, Staines.
Johnson, Raymond Edgar ..	47, Cowley Road, Uxbridge.
Johnson, Roland Finnis ..	37, Rotherwick Road, Golder's Green, N.W.4.
Jones, Charles Thomas ..	124, St. Albans Avenue, Bedford Park, Chiswick, W.
Jones, Francis Elmore	Fernside, Woodside Park Road, N. Finchley, N.12.
Jones, Wilfred Esmond	31A, Compton Terrace, Highbury, N.1.
King, Gilbert Rigley..	Town Hall, Twickenham.
King, Herbert James	Station Road, Winchmore Hill, N.21.
Lamberth, Frank	29, Ivy Road, Cricklewood, N.W.2.
Lewis, Sidney Ford	Building Inspector's Dept., Town Hall, Dyne Road, Kilburn, N.W.6.
Luck, George Edward	Estate Office, Crouch End Station, N.
Manfield, John Henry	12, Fairfield Road, Crouch End, N.8.
Mann, Percy	Dalmeny, Lauradale Road, Fortis Green, N.
Marks, Thomas Edward ..	30, Wimborne Gardens, Ealing, W.13.
Marriott, Robert Andrew ..	12, Norton Road, Uxbridge.
Marshall, Thomas Alfred	45, Sutton Court, Chiswick, W.4.
Martin, Alexander William	The Laurels, Marden Road, South Tottenham, N.
Martin, Irene Tuberville (Miss)	23, Chislehurst Avenue, N.12.
Martin, Thomas Colin	141, High Street, Teddington.
Merrington, Frederick Arthur	22, Clifton Gardens, Golder's Green, N.W.4.
Miles, Walter Edward ..	10, Stanhope Gardens, Harringay, N.4.
Miller, Roland Frederick ..	74, Fairfield Road, Edmonton, N.18.
Mills, Basil Rupert	32, Curzon Road, Muswell Hill, N.
Mills, Robert Henry	Frith Manor, Mill Hill, N.W.7.
Montgomery, George	24, Montpelier Road, East Finchley, N.
Moon, Thomas Eric	Tintagel, Clifton Avenue, Church End, Finchley, N.3.
Morgan, Geoffrey Frank John	Revaluation Dept., Town Hall, Hendon, N.W.4.
Morgan, William Thomas ..	Town Hall, Southall.
Newman, Alfred Edward ..	6, Durant's Road, Ponders End.
Nichols, John Lionel	Vine House, Church Street, Chiswick, W.4.
Ord, Richard William	9, Spencer Road, Twickenham.
Osborne, Edward Sidney ..	The Firs, Nether Street, Church End, Finchley, N.3.

Osborne, Philip George	The Firs, Nether Street, Church End, Finchley, N.3.
Pearce, Stephen Harvey ..	Polruan, Conway Road, Southgate, N.
Potter, Shirley Herbert ..	2, Stanhope Gardens, Highgate, N.6.
Price, Eric Arthur	92, Holden Road, N.12.
Pullen, Harold William ..	21, Dickenson Road, Crouch Hill, N.8.
Quilter, Henry	St. Malo, Percy Road, Hampton-on-Thames.
Ratcliff, William Watts	The Willows, West Drayton.
Reeve, Walter Esmond	27, Clifden Road, Twickenham.
Roberts, Howard	The Haven, 1, Temple Grove, Golders Green, N.
Rowe, Howard Charles ..	59, Anson Road, Cricklewood, N.W.2.
Scales, Arthur Alfred	53, Morley Road, East Twickenham.
Sexton, George William Francis	Rosemont, Christchurch Avenue, Brondesbury Park, N.W.
Shearer, James Hughan, A.R.I.B.A.	1, Bigwood Road, Golder's Green, N.W.11.
Shelley, William Lincoln ..	28, Beatrice Road, Finsbury Park, N.
Sich, Percy Bertram Wardell	Norfolk House, The Mall, Chiswick, W.
Skinner, Charles William ..	87, Mount Pleasant Road, N.15.
Smith, Harry Vincent	34, Sherborne Gardens, Ealing, W.
Smith, John Harold	160, High Street, Uxbridge, W.
Speed, Sydney Charles	2, Little Park Gardens, Enfield.
Stevens, Leslie Alfred Emile	269, Archway Road, Highgate, N.6.
Streather, Reginald	Elm Lodge, Shirehall Lane, Hendon, N.W.4.
Stubbing, Richard Webb	14, Queen Anne's Gardens, Bush Hill Park, Enfield.
Sturt, Leslie	Highgate Station (G.N.R.), N.
Symes, Alfred George	Ashton, Cecil Park, Pinner.
Taylor, William Graham ..	59, Lynton Road, Springfield Park, Acton.
Taylor, William Kenneth Wentworth	Engineer's and Surveyor's Department, U.D.C., Willesden.
Thomas, James Hugh Tremayne	7, Woodville Road, Ealing, W.
Thomson, James Black, A.M.I.C.E.	Town Hall, Southall.
Thorpe, William Frederick ..	Engineers' Dept., Town Hall, Hendon, N.W.4.
Tivendale, Thomas	Highgate Station, G.N.R., N.
Toley, Ernest Albert	Horsenden Farm, Sudbury, Harrow.
Toley, Frank	154, Uxbridge Road, Hanwell, W.
Toll, Stanley	69, Calcott Road, Brondesbury, N.W.
Toovey, James Rowland ..	19, Cecil Road, Wealdstone.
Townsend, Edward Aldridge	10, River Front, Enfield.
Trinder, William Merrick	44, Claremont Road, Teddington.
Trumper, Richard William ..	27, Blakesley Avenue, Ealing, W.5.
Turns, Leslie Walter	92, Upper Tollington Park, Finsbury Park, N.4.

Vinter, Pamplin Mauldin ..	5, High Road, Wood Green, N.
Ward, Raymond John	25, Uxbridge Road, Hanwell, W.7.
West, Philip	104, Brondesbury Road, Kilburn, N.W.
West, Sydney Henry	15, The Mall, Ealing, W.5.
Whesker, John Edward.. ..	20, Grenoble Gardens, Palmers Green, N.13.
Whitefield, Stanley Parkin	94, The Avenue, Ealing, W.
Willis, Arthur James	8, Haven Green, Ealing, W.5.
Wintle, Arthur	39, Park Road, Hampton Hill.
Wood, Percy John	103. Florence Road, Stroud Green, N.
Woolnough, Tom	Oakleigh, 182, Chase Side, Southgate, N.14.
Worth, George Pearce ..	The Homestead, Windmill Road, Ealing, W.
Young, M. R. Caruth	Leonie, Eastbury Avenue, Northwood.

ASSOCIATE:

Thorne, Richard Squire, B.A. (*Cantab.*)	Nicoll Farm, Edgware.

PROBATIONERS:

Biscoe, Ronald George	3, Greenhill Road, Harrow.
Burrell, Joseph Alexander ..	The Grange, Harlesden Road, N.W.10.
Butcher, Herbert Walker ..	2, Acacia Road, Acton, W.3.
Dunphy, Lawrence Herbert ..	10, Barlow Road, Acton, W.3.
Emms, Septimus John	5, Cedars Road, Hampton Wick.
Grover, Herbert Clifford ..	62, The Mall, Southgate, N.14.
Hartshorne, Cyril Ernest ..	26, Shrewsbury Road, Southgate, N.14.
Hemens, Arthur Edmund ..	13, Thornton Avenue, Chiswick, W.4.
Howe, Robert Norman	45, Dukes Avenue, Muswell Hill, N.10.
Lock, John Matthew Boys ..	Speldhurst, Duke's Avenue, Finchley, N.3.
Matthews, Harold Marten ..	51, Barrington Road, Crouch End, N.8
Maxfield, Stanley Cecil ..	Wayside, Lyndhurst Gardens, Finchley, N.3.
Moore, Christopher Constable	Woodlands, Oakleigh Park, N.20.
Peck, Frederick Edward ..	Four Oaks, Hatch End.
Pratley, Raymond Edward ..	26, Dunstan Road, Golders Green, N.W.4.
Price, Ernest Hope	34, Preston Gardens, Willesden, N.W.10.
Real Reginald Walter ..	100, Butler Road, Harrow.
Rose, James Luke	29, Julian Avenue, Horn Lane, W.3.
Skrimshire, Samuel George ..	Harrovian Lodge, Pinner Road, Northwood.
Symmons, Gilbert Roy	37, Cranhurst Road, N.W.2.
Windrum, Terence Walter Fletcher	94, Colney Hatch Lane, Muswell Hill, N.10.

STUDENTS:

AREL, SIDNEY VIVIAN	100, Ilex Road, Willesden.
DAVIS, JOHN PHILIP	81, Middle Lane, Hornsey, N.8.
DESCH, HAROLD ERNEST	Park Side, Tottenham, N.17.
EVANS, WILFRID	5, Beverley Gardens, Golder's Green, N.W.4.
FOSTER, CHARLES GORDON ENGLAND	Eldwich, Hampton Hill.
FOWLER, ANGLESEY ALBERT WILLIAM	5, Bedford Road, Harrow.
GREVILLE, SYDNEY HALPIN ..	3, Lonsdale Villas, Wembley.
GRIFFITHS, ARTHUR	2, The Triangle, Hampton-on-Thames,
MOORE, ALFRED STEPHEN	Woodlands, Oakleigh Park, N.20.
NITSCH, MAURICE ARTHUR ..	43, Inglis Road, Ealing, W.5.
PEARSON, ANDREW THOMAS NOEL	15, Hardwick Road, Palmer's Green, N.13.
SANFORD, JAMES RAY	Portland Lodge, Teddington.
SWEETT, CYRIL	Westcombe, Oxgate Gardens, Cricklewood, N.W.2.
TARRANT, ERIC ALEXANDER CHARLES	132, Hanover Road, Brondesbury Park, N.W.10.
WHEELER, ERIC MURRAY	67, Holden Road, Woodside Park, N.

MONMOUTHSHIRE.

(Wales (South) and Monmouthshire Branch.)

Names of Monmouthshire Members are INCORPORATED *in South Wales Division.*

NORFOLK.

(Cambridge, Huntingdon, Norfolk, and Suffolk Branch.)

FELLOWS:

BECK, ARTHUR CLEMENT	Castle Rising, King's Lynn.
*BECK, EDWARD WILLIAM	16, Bank Street, Norwich.
BUCKINGHAM, CLAUDE SOMERSET..	43A, Prince of Wales' Road, Norwich.
CASTLE, MALCOLM ARTHUR ..	Bridge Auction Mart, Yarmouth.
EASTER, WILLIAM	Wiggenhall St. German, King's Lynn.
FALCON, MICHAEL	Horstead House, Norwich.
GOODCHILD, RALPH HARRY	57, London Street, Norwich.
GOWING, CHARLES TOWLER	Old Bank of England Court, Queen Street, Norwich.

Hawke, Roland Welstead ..	Horning, Norfolk.
Hawkins, Edward Robinson ..	The Old Rectory, Southacre, King's Lynn.
Hawkins, Lancelot Goulder ..	Downham Market.
Hornor, Bassett Fardell, d.s.o.	Old Bank of England Court, Queen Street, Norwich.
Hornor, Francis	Old Bank of England Court, Queen Street, Norwich.
*Ireland, Edwin Benjamin	Bank Buildings, Norwich.
Mills, Samuel Mealing	51, London Street, Norwich.
Morgan, Benjamin Brauford ..	1, Upper King Street, Norwich.
Oldfield, Claude Courtenay	54, Regent Road, Great Yarmouth.
Parfitt, Gerald Arthur	Waterworks Lodge, Heigham, Norwich.
Powell, Wallace Gerald ..	City Engineer's Office, Norwich.
Savill, Alfred	Hill House, Dilham, Norwich.
Smith, Quentin Cullen	Market Place, North Walsham, and High Street, Mundesley.
Spelman, William Wilton Rix	Bank Plain, Norwich.
Waters, Frank	30, Cattle Market Street, Norwich.
Widdicombe, Charles Edwin ..	Valuation Department, King's Lynn.
Wright, Samuel Ware	97, Lichfield Road, Great Yarmouth.
Wright, William Edward ..	King's Lynn.

PROFESSIONAL ASSOCIATES:

Apthorpe, Henry Guy ..	104, Victoria Road, Diss.
Arnold, Harry Hagon	Victoria Chambers, Bank Plain, Norwich.
Barnham, George William ..	Griston, Watton.
Daniels, Reginald Arthur ..	The Alliance Chambers, 56, London Street, Norwich.
Fielding, Kenneth Hubert ..	51, London Street, Norwich.
Hedley, Hubert Frederick ..	26, Bolingbroke Road, Aylsham Road, Norwich.
Humphrey, William Overton	Council Offices, Fakenham.
Jolly, William John	St. Audrey's, Thetford.
Mahony, James Burke	Gayton House, Heigham Grove, Norwich.
Miles, Owen	10, Regent Street, Great Yarmouth.
Priest, Bernard	The Estate, Riddlesworth Hall, Thetford.
Rayner, William Dex Lea, m.b.e.	Glengarif, Wroxham.
Rodwell, Lionel Helm	The Estate Office, Threxton, Watton.
Salter, William Eric	Attleborough,
Smith, Frank Hall	Surveyor's Office, Sheringham.
Spelman, Clement Franklin Rix	17, Bank Plain, Norwich.
Stephenson, John Pickering ..	c/o R. Pickering, Ashill, Watton.

PROBATIONERS:

Gowing, Claud Gambling ..	White Hall, Sprowston, Norwich.
Morgan, Eric Richard	209, Unthank Road, Norwich.
Wright, Albert	101, Earlham Road, Norwich.

STUDENTS:

Holme, Frank Phillips	Headingley, Essex Street, Norwich.
Wilson, Henry Holt	Snape Hill, Rickingham, Diss.

NORTHAMPTONSHIRE.

(Leicestershire, Northamptonshire, and Rutland Branch.)

FELLOWS:

Bletsoe, Henry Hopkinson ..	Thrapston.
Cave, Thomas Newman	Horton.
Croft, Christopher	The Elms, Dallington.
*Dickson, Thomas Arthur ..	17, Debdale Road, Wellingborough.
Jessup, David Pooley..	County Chambers, Northampton.
Marsh, Frederick Stephen ..	7, Park Avenue, Northampton.
Merry, Thomas	9, Abington Street, Northampton.
Pendered, Richard Dudley ..	The Wigwam, Hatton Park Road, Wellingborough.
Samson, Horace Lucas	County Land Agent, Cross Street, Peterborough.
Sowels, William Clowes	Preston Capes, Byfield.
Stops, Herbert Jackson	Wood Burcote Court, Towcaster.
Watney, Walter Daniel ..	County Chambers, Northampton.

PROFESSIONAL ASSOCIATES:

Bletsoe, Thomas Henry	Thrapston.
Brown, Edgar Oswald	R.E. Office, Weedon.
Brown, John, Lieut.-Col.. ..	83, St. Giles Street, Northampton.
Clarke, Percy Christopher ..	Longthorpe, Peterborough.
Farnsworth, William Charles..	c/o Berry Bros. & Bagshaw, Kettering.

GILL, ROBERT	Moray House, Blisworth.
GILLITT, JOHN	2, Castle Street, Wellingborough.
HARRISON, CYRIL H. GILMORE ..	Great Brington, Northampton.
KIRBY, WILLIAM AUBREY	c/o Berry Bros. & Bagshaw, Market Place, Kettering.
LEFEAUX, RAYMOND LANGHAM ..	c/o Gotch & Sanders, Bank Chambers, Kettering.
PENDERED, THOMAS DENT ELLIOT	Redwell, Wellingborough.
WHITTON, HAROLD WILLIAM ..	County Court, County Chambers, Northampton.
WOOLDRIDGE, ARTHUR MAINWARING	193, Alrington Avenue, Northampton.

PROBATIONERS:

FATT, MAURICE SELWYN	The Laurels, Milton, nr. Northampton.
IRESON, JOHN, JUNR.	Glenthorne House, Yaxley, nr. Peterborough.
RIDGWAY, IVOR	Heathencote, Towcester.
TEBBUTT, BERT HENRY	243, Oundle Road, Peterborough.

STUDENTS:

KELLY, OLIVER CUTHBERT.. ..	42, Hazelwood Road, Northampton.
WRIGHT, NORMAN HORACE ..	Highfields, Broadway, Peterborough.

NORTHUMBERLAND.

(Northumberland and Durham Branch.)

FELLOWS:

ALLEN, JOHN PARNELL, MAJOR	Victoria Buildings, Grainger Street West, Newcastle-on-Tyne.
ARMSTRONG, HENRY	Collingwood Buildings, Collingwood Street, Newcastle-on-Tyne.
*ARMSTRONG, THOMAS JOHN ..	14, Hawthorn Terrace, Newcastle-on-Tyne.
AYNSLEY, ROBERT JOHN	Fencer Hill, Gosforth, Newcastle-on-Tyne.
BARNES, HARRY	Summerhill Grove, Newcastle-on-Tyne.
BURCH, HERBERT	17, Eldon Square, Newcastle-on-Tyne.
*CLARK, JOHN MCCLARE	Haltwhistle, and Hexham.

CONNELL, EDWIN JAMES	Trinity Buildings, 25, New Bridge Street, Newcastle-on-Tyne.
DAVIS, ARCHIBALD HINKLEY ..	90, Pilgrim Street, Newcastle-on-Tyne.
DUNS, ROBERT HARBOTTLE ..	51, Cherryburn Gardens, Fenham, Newcastle-on-Tyne.
EAMER, ALFRED STANLEY ..	9, Studley Terrace, Newcastle-on-Tyne.
*EDGE, FREDERIC JAMES, M.I.C.E.	38, Blackett Street, Newcastle-on-Tyne.
FORSTER, THOMAS EMERSON ..	3, Eldon Square, Newcastle-on-Tyne.
HACKETT, WILLIAM JENNENS, M.B.E.	25, Coquet Terrace, N. Heaton, Newcastle-on-Tyne.
HARDIE, EBENEZER ROBERT ..	9, Sunbury Avenue, Newcastle-on-Tyne.
HINES, HERBERT	46, Pilgrim Street, Newcastle-on-Tyne.
HOLDSFORTH, HAROLD, O.B.E. ..	17, Eldon Square, Newcastle-on-Tyne.
JAMES, CHRISTIAN HUGH	Rudchester, Wylam-on-Tyne.
KILLICK, ANTHONY EDWARD ..	10, Eldon Square, Newcastle-on-Tyne.
KIRKBY, REGINALD GUY, F.R.I.B.A.	17, Rosebery Crescent, Jesmond, Newcastle-on-Tyne.
MCGHIE, CHARLES	38, Collingwood Buildings, Collingwood Street, Newcastle-on-Tyne.
METCALFE, WILLIAM	Council Chambers, Gosforth.
MILLS, FREDERICK PETER	47, Linden Road, Gosforth, Newcastle-on-Tyne.
MUSGRAVE, THOMAS HAROLD ..	17, Eldon Square, Newcastle-on-Tyne.
ROBERTS, DAVID ALAN	44, Harley Terrace, Gosforth.
ROBSON, JOHN TEMPLE	Alnwick U.D.C., Alnwick.
ROBSON, WALTER	30, Honister Avenue, Newcastle-on-Tyne.
ROWE, ALFRED EDWARD PASSMORE	46, Rothbury Terrace, Heaton, Newcastle-on-Tyne.
SAMPLE, WILLIAM COLLINGS ..	Tritlington Hall, Morpeth.
*SANDERSON, WILLIAM WAITE, C.B.E.	Underwood, Riding Mill.
SCOTT, JAMES	48, Dean Street, Newcastle-on-Tyne.
SCOTT, JOHN	17, Eldon Square, Newcastle-on-Tyne.
SMITH, STANLEY ADDISON	Trinity Buildings, New Bridge Street, Newcastle-on-Tyne.
TAYLOR, HARRY WILLIAM, A.M.I.C.E.	Cathedral Buildings, Dean Street, Newcastle-on-Tyne.
*TOWNEND, WILLIAM	Messrs. T. B. Sanderson & Townend, 3, Mosley Street, Newcastle-on-Tyne.
TURPIN, WILFRID	18, Eldon Square, Newcastle-on-Tyne.

PROFESSIONAL ASSOCIATES:

ADAMSON, THOMAS ROBERT ..	27, Grove Street, Newcastle-on-Tyne.
AYNSLEY, DOUGLAS FARRER ..	24, Wolveleigh Terrace, Gosforth, Newcastle-on-Tyne.

Baty, Reginald Elphinstone	47, Blackett Street, Newcastle-on-Tyne.
Bowes, Osborne Johnstone ..	25, New Bridge Street, Newcastle-on-Tyne.
Clough, William Howe	8, Simonside Terrace, Heaton, Newcastle-on-Tyne.
Fox, John Harper Graham.. ..	Wyndale, Belgrave Parade, Newcastle-on-Tyne.
Gribble, Leslie John Goldby..	Carmona House, Tyneview Road, Haltwhistle.
Herdman, Thomas Adam	Tynedale, Westerhope, near Newcastle-on-Tyne.
Hill, Thomas Cuthbertson ..	4, Cavendish Place, Jesmond, Newcastle on-Tyne.
Jennings, Gordon Sotham ..	Deputy Surveyor, Council Offices, Blyth.
Ker, Arthur Preston..	County Land Agent, 17, Claremont Place, Newcastle-on-Tyne.
Liddell, John George Walton	Chesters Estate Office, Humshaugh.
McKerrow, James Weir, A.M.I.C.E.	Corporation Waterworks, Town Hall, North Shields.
Megoran, Edwin Taylor Dale..	55, Grosvenor Street, West Hartlepool.
Mellows, Frederick William	392, Park View, Whitley Bay.
Morgan, Alfred	Parkside, Whickham, nr. Newcastle-on-Tyne.
Nixon, Ernest	23, Oaklands, Gosforth, Newcastle-on-Tyne.
Patten, John	18, Bailiffgate Street, Alnwick.
Pearson, Norman Hanson	52, Percy Park, Tynemouth.
Rickards, Clement Archbold Ross	24, Albany Gardens, Whitley Bay.
Sawyers, Sydney Milton	5-7, Grafton Street, Byker, Newcastle-on-Tyne.
Scott, John Henry	229, Westmorland Road, Newcastle-on-Tyne.
Smith, Herbert Gordon	Sunnyside, Monkseaton.
Stringer, Rhodes	15, Elsdon Road, Gosforth, Newcastle-on-Tyne.
Summers, James William ..	10, Neville Street, Newcastle-on-Tyne.
Teasdale, George Nicholas ..	18, Vicarage Street, North Shields.
Town, Henry Annandale	25, St. George's Terrace, Jesmond, Newcastle-on-Tyne, and 5, Market Street, Newcastle-on-Tyne.
White, William	137, Pilgrim Street, Newcastle-on-Tyne.
Wood, Herbert Calvert	Chesters Estate Office, Humshaugh-on-Tyne, S.O.

ASSOCIATE :

Wheldon, Robert William ..	Agricultural Dept., Armstong College.

PROBATIONERS:

CLEMENTS, RUSSELL MATTHEW..	14, Roseberry Crescent, Jesmond, Newcastle-on-Tyne.
REID, JOHN KERR	11, Warrington Road, Newcastle-on-Tyne.

STUDENTS:

CLARK, JOHN	Bellister Castle, Haltwhistle.
TOWNEND, WILLIAM BROOKE ..	Stanmore, Beechfield Road, Gosforth, Newcastle-on-Tyne.

NOTTINGHAMSHIRE.

(Nottingham, Lincoln and N. Derby Branch.)

FELLOWS:

BEARN, ARTHUR FREDERICK ..	Flat No. 4, Manor House, Castle Gate, Nottingham.
BOOTH, ARTHUR	Albion Chambers, King Street, Nottingham.
BRACKETT, WM. NEWBEGIN	Market Place, Retford.
CLARKE, ROBERT, CAPT.	Postern Chambers, Middle Pavement, Nottingham.
*CLEMENTS, CYRIL JOHN	19, Watson Avenue, Mansfield.
EDGINGTON, WALTER, B.A. ..	Whitehouses, Retford.
FARLEY, GEORGE HENRY	24, Park Row, Nottingham.
GERMAN, HARRY	Estate Office, Newstead Abbey, Linby.
GOODACRE, JOHN FRANK JOHNSON	19, Park Street, Worksop.
HARRISON, FREDERICK	4, Belgrave Square, Nottingham.
*HUSKINSON, THOMAS WM.	Epperstone Manor, Nottingham.
LISTER-KAYE, CHARLES WILKINSON	Kingston House, North Carlton, Worksop.
MAGGS, LEONARD	The Hollies, Walnut Grove, Radcliffe-on-Trent.
NESBITT, JOHN OSCAR	8, Oxford Street, Nottingham.
*PAIN, WILLIAM HENRY	The Gables, South Collingham, Newark.
PERCY, RICHARD FREDERICK, M.I.M.E.	10, Ebers Road, Nottingham.
RICHARDSON, ARNOLD RICHARD	Albion Chambers, King Street, Nottingham.
ROBERTSON, WILLIAM ANDREW ..	The Rosary, East Leake.
SHAW, CHRISTOPHER PEARSON ..	Esk Dale, Bingham, Nottingham.
TAYLOR, WILLIAM HENRY	23, King Street, Nottingham.

TURNER, DAVID NEVILLE	26, Low Pavement, Nottingham.
TURNER, THOMAS WARNER	Langwith Lodge, Mansfield.
WALKER, HERBERT, M.I.C.E., F.R.I.B.A.	408, Mansfield Road, Nottingham.
*WALKER, JOSHUA..	Bridge Offices, Bridgegate, Retford.
WALTON, ARTHUR ATKINSON ..	Exchange Walk, Nottingham.
*WEETMAN, WILLIAM CHARLES CUMMING	Estate Office, Osberton, Worksop.
WIGRAM, JOHN..	South Collingham, Newark.
*WOOLLEY, REGINALD SMITH ..	South Collingham, Newark.
*WRIGHT, CHARLES WILLIAM, M.A. (*Cantab.*)	21, Parkinson Street, Nottingham.

PROFESSIONAL ASSOCIATES:

BAGNALL, HAROLD WILLIAM ..	Guildhall, Nottingham.
CARTER, GEORGE RALPHS	District Valuer's (County) Office, Upper Parliament Street, Nottingham
CHAWORTH-MUSTERS, JOHN NEVILE	Annesley Park, Nottingham.
CHILD, EDMUND HERBERT, A.R.I.B.A.	12, Middle Pavement, Nottingham.
COX, ALBERT EDWARD	Nook Cottage, Bottesford, Nottingham.
CUNDY, THOMAS JAMES	Linby, Nottingham.
CUNNAH, GEORGE OSBORNE ..	47, Woodhouse Road, Mansfield.
ELLIOTT, AUSTIN HOOTON, A.M.I.C.E.	Surveyor to the Urban District Council, Carlton.
GEAKE, HERBERT	27, Elm Avenue, Nottingham.
HALLAM, HENRY ARTHUR	8, Low Pavement, Nottingham.
HAYLOCK, HENRY EVENNETT ..	19, Trinity Square, Nottingham.
LANE, NATHANIEL MONTAGUE ..	The Firs, Sutton-in-Ashfield.
MORRIS, HENRY ROWLAND	Small Holdings Dept., Shire Hall, Nottingham.
MUGGLESTONE, CYRIL	17, Portland Street, Pleasley Hill, Mansfield.
RUTHERFORD, JOHN SEYMOUR ..	Carnarvon Estate Office, Bingham, Nottingham.
TURNER, DOUGLAS WARNER.. ..	Langwith Lodge, Mansfield.
WIGRAM, HENRY JOSEPH	Whitehouses, Retford.
WILLIAMS, WORTHINGTON ERIC ..	Guildhall, Nottingham.
WILSON, JAMES CALVERT	Newcastle Estate Office, The Park, Nottingham.

PROBATIONER:

MUNDY, GEORGE THEOPHILUS ..	183, Cinder Hill Road, Bulwell, Nottingham.

STUDENT:

BRACKETT, WILLIAM ROBINSON ..	4, Limetree Avenue, Retford.

OXFORDSHIRE.

(Berks, Bucks, and Oxon Branch.)

FELLOWS:

*Holiday, Percy Cave	Bicester.
Jones, Francis William	2, Frewin Court, Corn Market Street, Oxford.
Jones, Frank Cecil	Frewin Court, Corn Market Street, Oxford.
Jones, Montague William	Frewin Court, Corn Market Street, Oxford.
Lanham, Laurence, o.b.e.	6 and 7, Broad Street, Oxford.
Lee, John Pincke	Courtlands, Peppard, Henley-on-Thames.
Lightfoot, Henry le Blanc, m.a. (*Oxon.*)	Corpus Christi College, Oxford.
Maxwell, Joseph Archibald..	21, Marlborough Road, Banbury.
Pennington, Ernest, n.d.a., n.d.d.	Market Square, Bicester.
*Simmons, Sir W. Anker, k.b.e.	Henley-on-Thames.
Thring, Douglas Theodore ..	Merton College, Oxford.
Watson, David Alexander ..	Estate Office, Watlington.
Wise, Frederick John	21a, High Street, Banbury.

PROFESSIONAL ASSOCIATES:

Benham, Maurice Victor	Land Agency Office, Chipping Norton.
Bridges, Archibald	Institute of Research in Agricultural Economics, Parks Road, Oxford.
Charles, Michael Thomas, b.a. (*Cantab.*)	Fruitlands, Eynsham.
Cockerton, Arthur Edmund	County Surveyor, Oxford.
Ferris, Edward Hollis	24, Vicarage Road, Henley-on-Thames.
Gale, Henry Newlyn	Estate Office, Nuneham, near Oxford.
Gurney, Sidney John	Llanberis, Hernes Road, Oxford.
Hill, Thomas Goundrey	The Nook, Foxcombe Hill, Oxford.
Lee, Norman Alfred	Coombehurst, Wallingford.
McFie, Bernard John Stewart	7, Southwood Road, Oxford.
Mammatt, Gerald Arthur.. ..	c/o Messrs. Habgood & Innocent, Witney.
Morse, Dudley Walter	Kirtlington, Oxford.
Rose, Edward Joseph..	58, Corn Market Street Oxford.
Williams, Charles	6 and 7, Broad Street, Oxford.
Worrall, Bertram	Rectory Farm House, Steeple Aston, Oxford.

ASSOCIATES :

Orwin, Charles Stewart, Hon., m.a. (*Oxon.*).	School of Rural Economy, Parks Road, Oxford.
Somerville, William, m.a., d.sc.	121, Banbury Road, Oxford.

STUDENT :

Denton, Reginald Moore ..	Fair View Road, Banbury, Oxon.

RUTLANDSHIRE.

(Leicestershire, Northamptonshire, and Rutland Branch.)

FELLOWS :

Burroughes, Charles Fitzpatrick	Kelton Cottage, Stamford, Lincs.
Ritchie, Hugh Victor Ormiston	Stocken Hall, Stretton, Oakham.
Royce, David Needham	Oakham.

SHROPSHIRE.

(Salop, Hereford, and Mid-Wales Branch.)

FELLOWS :

Addie, John Heathcote, Lieut.-Col., c.b.e.	Raven Chambers, Shrewsbury.
Bather, John T.	9, The Square, Shrewsbury.
Davis, Alfred Thomas, Major, m.i.c.e.	Shire Hall, Shrewsbury.
Edwards, Richard	Cefnymaes, Oswestry.
Evans, William Ernest	School Gardens, Shrewsbury.
*Hall, William Timothy	College Hill, Shrewsbury.
Lake, Bernard	10, St. Alkmunds Square, Shrewsbury.
Morris, William Henry	Monksfield, Chirbury.
Newill, Robert Henry ..	The Elms, Little Stretton, Church Stretton.
Pearce, Hubert Willie	1, Church Street, Wellington.

RAFFETY, HERBERT WILLIAM ..	Valuation Department, Inland Revenue, Shrewsbury.
*TOWER, BROWNLOW RICHARD CHRISTOPHER	Bridgewater Estate Office, Ellesmere.
WELSH, HUGH	Willey Estate Office, Broseley.
WILLIAMS, CHARLES BERNARD, CAPT., M.C.	Salop House, Oswestry.
WYLEY, HENRY CHARLES	Newmarket Buildings, Bridgnorth.
YOUNG, THOMAS JOHN	Harper Adams College, Newport.

PROFESSIONAL ASSOCIATES:

BAKER, ALFRED BARNET	Highfield, Pontesbury.
CLARK, WILLIAM CAMPBELL ..	Ruckley Estate Office, near Shifnal.
EVANS, THOMAS HUGH	c/o Messrs. Burd & Evans, School Gardens, Shrewsbury.
GRIFFITH-ROBERTS, THOMAS WILLIAM	52, Queen Street, Shrewsbury.
HICKMAN, ARTHUR MURHALL ..	Pride Hill Chambers, Shrewsbury.
HUNT, HARRY	c/o Hall, Wateridge & Owen, Shrewsbury.
KITCHING, HUBERT VAUX ..	Hanmer, Whitchurch.
KNAPP, ROBERT ELI	Whittington, Oswestry.
MCDOWALL, JAMES	9, Copthorne Drive, Shrewsbury.
MINIFIE, WILLIAM, JUN.	Wootton, Bridgnorth.
MURRAY, LAWRENCE JOSEPH ..	Valuation Office, Inland Revenue, 15, Belmont, Shrewsbury.
PARRY, WALTER JOHN	Savada, Porthill Gardens, Shrewsbury.
PLATT, CHARLES EDWARD	The Lindens, Newport.
PREECE, EDWIN THOMAS ORLANDO	7, Coton Terrace, Shrewsbury.
RAMSDEN, GEORGE	Town Hall, Market Drayton.
WATERS, PHILIP DUNCAN JOSEPH	Calcote House, Bicton, Shrewsbury.
WYNNE, THOMAS STANLEY	County Surveyor's Office, County Buildings, Shrewsbury.
YOUNG, DAVID WILBERFORCE, M.B.E.	Raven Chambers, Shrewsbury.

STUDENTS:

GATENSBURY, CHARLES EDWARD	Raven Chambers, Castle Street, Shrewsbury.
MITCHELL, WILLIAM CHARLES ..	Eastville, Chirbury.

SOMERSETSHIRE.

(Gloucester, Somerset, and North Wilts Branch.)

FELLOWS:

COATES, PERCY BREVITT..	Fairholme, North Curry, Taunton.
DUCKWORTH, WALTER EDMUND ..	The Mart, Bridgwater.
EDWARDS, DAVID	Guildhall, Bath.
HIPPISLEY, WILLIAM JOHN	Northam House, Wells.
HOSEGOOD, ANDREW WEBBER ..	Williton.
MADGE, JOHN	Somerset House, Chard.
MATHISON, JOSEPH..	Langport.
MOISER, CYRIL	Valuation Dept., 9, Hammet Street, Taunton.
*NAPIER, HENRY BURROUGHES ..	Ashton Court Estate Office, Long Ashton, Clifton, Bristol.
NICHOLLS, DOUGLAS RICHARD, MAJOR, R.E.	Chard.
PARSONS, ROBERT MAURICE PETERS	Misterton, Crewkerne.
PURSEY, CHARLES	Council Offices, Shepton Mallett.
ROBERTS, CHARLES MINTO	9a, York Street, Bath.
SHUFFLEBOTHAM, JOHN HENRY ..	Hazelford, Mount Nebo, Taunton.
SILCOCK, THOMAS BALL, B.SC. (*Lond.*)	26, Green Park, Bath.
STEAD, EDWARD JOHN, A.M.I.C.E...	County Surveyor's Office, 49, High Street, Weston-super-Mare.
STEEL, ALEXANDER MCKEAND..	The Holt, South Road, Taunton.
STONE, HENRY WALCOTT	Lloyd Bank Chambers, North Street, Taunton.
UNDERWOOD, WILLIAM ERNEST..	1, Northumberland Buildings, Bath.
WAINWRIGHT, CHARLES RAWLINSON	Shepton Mallet.
WILBRAHAM, EDWARD SIDNEY ..	Standerwick Court, Frome.
WILKINSON, ANDREW WOOD ..	Valuation Dept., Inland Revenue, Taunton.

PROFESSIONAL ASSOCIATES:

ABBOTT, ARTHUR JOE	7, Preston Villas, Yeovil.
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CLARKE, LEONARD FREDERICK ..	Higher Farm, Middle Chinnock, Crewkerne.
COUSINS, WALTER HORACE	Eastover, Bridgwater.
DARBY, NICHOLAS HENRY NELSON	Silvermere, 79, Severn Road, Weston-super-Mare.

FARWELL, EVELYN WOOD	Lord Hylton's Estate, Kilmersdon, near Bath.
GODDARD, HENRY GEORGE FREDERICK	14, Hammet Street, Taunton.
HARDING, CHARLES RICHARD	81, South Street, Yeovil.
HEALE, CHARLES HENRY ROSS..	St. Peter's Vicarage, Williton, Taunton.
HOSEGOOD, FRANK	"Holmesley," Holway, Taunton.
JAMES, WALTER ASHMAN	The Bungalow, Station Road, Nailsea, Bristol.
JENKINS, FREDERICK LESLIE ..	Railway Hotel, Washford, near Taunton.
JOSELAND, ARTHUR RICHARD NORMAN	Baveno, Atlantic Road South, Weston-super-Mare.
KNAPP, DOUGLAS ERIC JOHN ..	26, Green Park, Bath.
MACKENZIE, WILLIAM FALCONER	c/o Miss Lock, High Street, Dunster.
MAYNE, ARTHUR JOHN	Wayside, Preston Grove, Yeovil.
MORGAN, IFOR JOHN	Townend, Ilminster.
NIXEY, WILLIAM GEORGE ..	46, St. John's Road, Weston, Bath.
OLDFIELD, GEORGE HARRY ROBERT	Valuation Dept., Inland Revenue, 12, Priory Avenue, Taunton.
ORCHARD, SIDNEY SAMUEL ..	St. Creech Michael, Taunton.
PEARD, CLIFFORD JAMES, MAJOR, D.S.O.	The Croft, North Curry, Taunton.
PEARD, JOHN CUTHBERT NOEL, CAPT., M.C.	The Croft, North Curry, Taunton
READ, VAUGHAN	10, Beaufort Place, Lambridge, Bath.
RISDON, JOHN PEART	c/o Risdon & Liversha, Wiveliscombe.
RITSON, VIVIAN	The Paddock, Claverton Down, Bath.
SKINGLE, ALFRED CHARLES.. ..	Queen Street, Bridgwater.
STEDMAN, CHARLES FREDERICK	Nobles Knap, Yeovil.
TAYLOR, RUSSELL LEIGH	The Cottage, Maiden Bradley, Bath.
TRESTAIN, ALBERT EDWARD ..	18, Whitecross Road, Weston-super-Mare.
VILLAR, ARTHUR WILLIAM.. ..	Tauntfield House, Taunton.
VILLAR, PHLIP LOVIBOND ..	Tauntfield House, Taunton.
WILLIAMS, WILLIAM ALFRED ..	26, Sydney Buildings, Bath.

PROBATIONERS:

CHIBBETT, HENRY JAMES	Long Street, Williton.
HAYNE, GEORGE FREDERICK ..	St. Audries, near Taunton.
OXLEY, CLIFFORD DENT	Wellow House, Wellow, near Bath.

STUDENTS:

HARVEY, HEBER ROWLAND ..	County Surveyor's Office, Weston-super-Mare.
HOLE, ROLAND RALPH	Swain Street, Watchet.
PATTEMORE, LESLIE JAMES ..	Holyrood Street, Chard.

STAFFORDSHIRE.

(Warwick, Worcester, Stafford, and South Derby Branch.)

FELLOWS:

ALLOTT, JAMES RAYNEY LEACH..	Avenue Villa, Kidsgrove.
BAILEY, PERCIVAL HENRY ASHBY	Glenthorn, Wolstanton.
BENN, PERCY ARTHUR	Surveyor's Office, Guildhall, Lichfield.
BREALEY, REGINALD WOODHOUSE	Burnscroft, Leek.
BURTON, AMOS, A.M.I.C.E.	Borough Engineer, Town Hall, Stoke-upon-Trent.
FORSHAW, WILLIAM	Valuation Office, Howard Place, Hanley.
GRIMWOOD, ARTHUR	Valuation Dept., Inland Revenue, 52, Bridge Street, Walsall.
HARDY, RICHARD THOMAS ASH ..	Land Agency and Estate Offices, Carter Street, Uttoxeter.
HARRISON, FRANK FOX	51, Lower Hall Lane, Walsall.
HASSAM, ARTHUR	Newcastle.
*HEATON, GEORGE HERBERT ..	Endon, near Stoke-upon-Trent.
HUGHES, GEORGE WILLIAM ..	The Valuation Office, Inland Revenue, 52, Bridge Street, Walsall.
JONES, ARTHUR ERNEST..	Gladstone Villa, Victoria Road, Newcastle.
LYNAM, GEORGE TROTTER	Town Hall, Burton-on-Trent.
LYONS, EDWARD COLVILL	Estate Office, Eccleshall.
NIGHTINGALE, CHARLES FREDERICK	145, Lichfield Street, Walsall.
OLIVER, WILLIAM MARSH	19, St. Michael's Street, West Bromwich.
OWEN, HARRY BERTRAM	c/o Owen, Blois & Owen, Newcastle.
PLANT, WILLIAM, A.M.I.C.E.	Borough Hall, Stafford.
*ROWLAND, JOSEPH SAMUEL ..	190, Station Street, Burton-on-Trent.
SCOTT, CHARLES WILLIAM MONTAGU DOUGLAS	Bradford Estate Office, Weston-under-Lizard, Shifnal.
SPEED, WILLIAM ROBERT SYDNEY	25, Darlington Street, Wolverhampton.
STONE, ARNOLD	37, Pargeter Street, Walsall.
TAYLOR, WILLIAM KENNETH WENTWORTH	25, Third Avenue, Kidsgrove, Stoke-on-Trent.
THACKER, SIDNEY LEONARD.. ..	39, Union Street, Walsall.
VALE, HENRY	16, Darlington Street, Wolverhampton.
*WINTERTON, HARRY JOHN CAMPION	St. Mary's Chambers, Lichfield.
WINTERTON, WILLIAM MOXON ..	The Orchard, Barton-under-Needwood.

PROFESSIONAL ASSOCIATES:

Allerton, Reginald John ..	Borough Engineer and Surveyor's Dept., Council House, Walsall.
Argile, Harold Wilmore ..	Fern Villas, Lichfield Road, Shelfield, Walsall.
Balfour, Gilbert Graham ..	Rugeley.
Bennett, Rowland	120, Regent Road, Fenton, Stoke-on-Trent.
Bott, William Alfred..	Deputy Borough Surveyor, Town Hall, Stoke-on-Trent.
Brooksbank, Robert	5, Alma Grove, Basford Park, Stoke-on-Trent.
Cave, Alexander Melville ..	St. James' Vicarage, Handsworth.
Cox, Robert Norton Bayliss ..	Normandy, Ashby Road, Burton-on-Trent.
Crimes, Frederic Charles	Kidsgrove Urban District Council, Surveyor's Office, Kidsgrove.
Evans, Rupert Maurice	Bank House, Stafford.
Fifield, Hafford Edwin	1, Havelock Street, Stoke-on-Trent.
Frearson, Thomas Bingley ..	30, King's Avenue, Wolstanton.
Gowen, Stanley Charles Jonathan	29, Oldcott Green, Goldenhill, Tunstall.
Harris, Francis Kenneth Craig	11, Hawthorn Street, Cobridge, Stoke-on-Trent.
Hook, Albert	26, Woods Lane, Stapenhill, Burton-on-Trent.
Knowles, Thomas Edward Butler	Valuation Office, Howard Place, Hanley.
Lowden, David, Jun.	Rangemore, Burton-on-Trent.
O'Sullivan, Terence James ..	The Union Offices, Stoke-on-Trent.
Perkin, Reginald Jeffries ..	11, Cole Hill, Tamworth.
Pointon, Harold Jesse	13, Albert Street, Newcastle.
Price, William Thomas ..	The Farm Institute, Penkridge
Proud, Stanley Sisson	The Wish, Uttoxeter.
Reeves, Leonard	Stoney Bank, Kidsgrove, Stoke-on-Trent.
Ride, William Henry..	2, Byrkley Street, Burton-on-Trent.
Skinner, Robert Ellman ..	179, Horninglow Street, Burton-on-Trent.
Skipper, Reginald Hayward	40, Greengate, Stafford.
Skitmore, Thomas..	Estate Office, Eccleshall.
Slater, Gilbert	Mount Cottage, Wolstanton.
Stephenson, Robert Barnard	"Waycot," Stafford Road, Lichfield.
Taylor, George Arthur	Swadlincote U.D.C., Swadlincote, near Burton-on-Trent.
Taylor, James Gilbert	Castledene, Newport Road, Stafford.
Tew, Thomas	The Square, Norton Canes, near Cannock.

Tomkys, Harold	6, Drummond Street, Wolverhampton.
Vale, Thomas Arthur	16, Darlington Street, Wolverhampton.
Wass, Arnold Crowther ..	Borough Surveyor's Office, Town Hall, Stoke-on-Trent.
Wilkes, Sidney Marshall ..	98, Dimsdale Parade, Wolstanton.
Williams, Walter Llewelyn	78, Blakenall Lane, Walsall.
Wood, John Ogden	62, Outwoods Street, Burton-on-Trent.
Woollaston, Thomas William	Glenside, Davenport Road, Tettenhall.

PROBATIONERS:

Clarke, Charles William ..	Greenfield House, Hales Lane, Smethwick.
Cook, Harold	Surveyor's Office, Town Hall, Leek.
Edwards, Percy Clifford ..	24, Heath Street, Newcastle.
Moorhouse, Henry	1, Scott Road, Little Chell, Tunstall, Stoke-on-Trent.
Sherwood, Alfred	4, Elliotts Road, Tipton.
Vale, Gilbert Parry	The Ferns, Pennfields, Wolverhampton.
Whitehouse, Hotspur Christian	3, Telford Place, North Road, Wolverhampton.

STUDENTS:

Lynes, Reginald James Hunter	Ashcroft, Riley Crescent, Penn Fields, Wolverhampton.
Townsend, Norman Talbot ..	43, Outwoods Street, Burton-on-Trent.
Watwood, George Thomas ..	Greenwood Slade, Hednesford.

SUFFOLK.

(Cambridge, Huntingdon, Norfolk, and Suffolk Branch.)

FELLOWS:

Arnott, John..	Church Street, Woodbridge.
Fair, James Stretton	Falkland House, Long Melford.
Furmedge, John Harris ..	Estate Office, Culford, Bury St. Edmund's.
Garrard, Norton Burroughs..	Hoxne, near Diss.
Gate, Alfred Joseph	Fleet Farm, Lamarsh, near Bures.
Girling, Robert James	Felix Chambers, Felixstowe
Hempson, Leonard Amis ..	West Hill, Copdock, Ipswich.
Hines, Ernest Owen	340, Norwich Road, Ipswich.

Lynes, Humphrey Dod	Black Heath Estate Office, Saxmundham.
Maxwell, David Benjamin ..	Riverside, Great Blakenham, Ipswich.
Parker, Frank Granger ..	Mildenhall.
Pearson, T. Howard	Troston, Bury St. Edmund's.
Pells, Arthur	9, London Road, Beccles.
Philpot, Clifford Needham ..	Priests House, Flixton, Bungay.
*Scott, Archibald Lacy	Bracondale, Grove Road, Bury St. Edmund's.
*Simpson, Robert Thomas	Horsecroft, Bury St. Edmund's.
Simpson, William Leonard ..	Horsecroft, Bury St. Edmund's.
Turner, Percy	1, Old Butter Market, Ipswich.
Ward, Reginald Charles.. ..	23 Princes Street, Ipswich.
Woodward, Henry Gordon ..	Station Road, Stowmarket.

PROFESSIONAL ASSOCIATES:

Arnold-Foster, John Anthony	Nacton House, near Ipswich.
Aylmer, Guy	Risby Manor, Bury St. Edmund's.
Catchpole, Willie David ..	The Cottage Mill House, Great Barton, Bury St. Edmund's.
Chartres, Frederick William Charles	Whitehall, Willingham, Beccles.
Cobbe, Henry Alexander	The Grove, Sproughton, near Ipswich.
Cook, Edward Arthur	Leacroft, St. Edmund's Road. Ipswich.
Cope, Reginald, Capt., R.E. ..	c/o A. Rutter, Sons & Co., 30, Abbeygate, Bury St. Edmund's.
Courtenay, Lionel Guy	Ampton, near Bury St. Edmund's.
Dow, John Armour	Estate Office, Elvedon.
Edwards, Robert	Estate Office, Culford, Bury St. Edmund's.
Francis, Thomas John Philip ..	2, Crown Street, Bury St. Edmund's.
Girling, Francis Victor ..	Woodcroft, Bath Road, Felixstowe.
Girling, John Robert	Woodcroft, Bath Road, Felixstowe.
Hall, Thomas Biddle	Hoxne, near Diss.
Hallam, Henry Cecil	Black Heath Estate Office, Saxmundham.
Hubbard, Frederick Frank ..	66, Woodbridge Road, Ipswich.
Kemp, Harry Graeme	Aldringham, Saxmundham.
Kenney, Cyril Ernest	157, Burrell Road, Ipswich.
King, John Leonard	c/o Dr. H. D. King, Sudbury.
McLearon, Septimus Owen ..	352, Foxhall Road, Ipswich.
Milne, William Edward Streatfeild	Easton Fruit Farm, Easton, Wickham Market.
Mitchell, William Chalmers ..	Henham Estate Office, Wangford.
Morley, Edwin Lawrance ..	Hadleigh Farm, Raydon, Hadleigh.
Oxborrow, Lionel Ernest ..	17, Warrington Road, Ipswich.
Pattisson, William Henry Munnings	Estate Office, Helmingham.

PETERS, HERBERT THOMAS ..	c/o Hunt, Pedder and Knight, Saxmundham.
SEAGO, RALPH WOLLASTON	Custom House Buildings, Lowestoft.
STEARN, FRANK	The Garden House, Nowton Court, Bury St. Edmund's.

ASSOCIATE:

COURTHOPE MUNRO, SIR HARRY, K.C., M.A. (*Cantab,*)	The Manor House, Kersale, near Saxmundham, Suffolk.

PROBATIONERS:

BIRMINGHAM, CHARLES ROY ..	85, Guildhall Street, Bury St. Edmund's
DOLAMORE, CHARLES WILLIAM GEOFFRY	Borough Engineer's Dept., Town Hall, Lowestoft.
GOOCH, EDWARD GEORGE	Easton, Wickham Market.
JEFFRIES, PERCY EDWARD REGINALD	283, Bramford Road, Ipswich.
KIMBER, ALFRED ROBERT ..	Shrubland Park Estate Offices, Coddenham, near Ipswich.
KNIGHT, GEORGE COLDHAM ..	Stricklands, Stowmarket.
KNIGHT, HARRY VYE	2, Beccles Road, Oulton Broad, Lowestoft.
MOORE, LESLIE HELIER	Crown Hotel, Southwold.
YELLOLY, CLAUDE REGINALD ..	Como, Lombs Lane, Bury St. Edmund's

STUDENTS:

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SURREY.

(Surrey Branch.)

FELLOWS:

ADAMS, HENRY ROBERT	Tilford, Heathurst Road, Sanderstead
ADAMS, THOMAS	Surrey Lodge, Thames Ditton.
APPS, BENJAMIN CHARLES	1, Bury Street, Guildford.
ARIS, JOHN WHITTON, M.A. (*Oxon.*)	Lois Weedon, Denbigh Gardens, Richmond.
BABBS, ARTHUR THOMAS	28, Grove Lane, Kingston-on-Thames
BARKER, HENRY ROTHERHAM	13, Quadrant Road, Thornton Heath.
BAVERSTOCK, HAROLD BRIDGE ..	Godalming.
BAXENDALE, FREDERICK GIESEN ..	Corbally, Arbrook Lane, Esher.
BELL, ALBERT HENRY	5, Salisbury Road, Wimbledon, S.W.

Bennett, Sydney	Messrs. Nightingale, Phillips & Page, Eagle Chambers, Kingston-on-Thames.
Boyd, John Jermyn	Heath View, Weybridge.
Brent, Thomas	Messrs. Chesterton and Sons, Norbury Manor Estate Office, London Road, Norbury, S.W.
Brown, Arthur Allen	83, High Street, Croydon.
Bruzaud, George Joseph	Highfield End, West Byfleet.
Burrows, Percy Charles ..	Elmdene, Runnemede Road, Egham.
Cassé, Albert	Station Road West, Oxted.
Chart, Christopher	Union Bank Chambers, Croydon.
Chart, Robert Masters	The Vestry Hall, Mitcham.
Child, Henry John, Lt.-Col. ..	355, Lower Addiscombe Road, Croydon.
Clarke, George John	32, Bensham Manor Road, Thornton Heath.
Clutton, Ralph William	Hartswood, Reigate.
Crawter, John	White House, Claygate.
Crow, Frederick Lewis, Jun. ..	c/o Messrs. Crow, Dorking.
Davies, John Nicholls..	96, Ashen Grove, Wimbledon Park.
Davies, William Gwynne Batchelor	14, Bell Street, Reigate.
Deacon, Stanley Marcus ..	36, Red Down Road, Coulsdon.
Densham, John Boon	The Warren, Higher Drive, Purley.
Dibdin, Robert John	Ridge Cottage, Woldingham.
Dow, Walter James	Penang, Guildford Road, Great Bookham.
Downing, Henry Philip Burke, F.S.A., F.R.I.B.A.	Avalon, Wilton Road, Merton, S.W.
Dudley, Edgar	Copseham, Oxshott.
Eggar, James Alfred	74, Castle Street, Farnham.
Evans, Bertie Graham	Dalmuir House, Gresham Road, Oxted.
Evershed, Wilfrid Leonard Armitage	27, Farnham Road, Guildford.
Finn, Herbert Archibald.. ..	16, St. Mark's Hill, Surbiton.
Fremantle, Percy Warwick ..	Cranbrook, Woodside Road, New Malden.
Gale, Harry	High Street, Egham.
Gardiner, Robert Strachan ..	16, Crane's Drive, Surbiton.
Garvey George Bloomfield, M.E.	5, Park Road, Wimbledon, S.W.19.
Grant, Joseph	103, George Street, Croydon.
Harding, Charles Reginald, Major	County Agricultural Office, County Hall Annexe, Kingston-on-Thames, and Leigh Mount, Cobham.
Harland, Henry Chapman ..	Holly Nook, Burwood Park Road, Walton-on-Thames.
Hartfree, George Bertram ...	Municipal Offices, Bridge Street, Godalming.
Hay, Percy Gilbert	Totland, Clifton Road, Wallington.

HEATH, JOHN LIONEL	137, Worple Road, Wimbledon, S.W.19
HEWARD, ERNEST JAMES	Northwood Lodge, Manor Road, Wallington.
HEWITT, FRANK	Karachi, The Drive, Coulsdon.
HILL, GEORGE FINLAY BURD ..	Whitecraigs, Woodcote Avenue, Wallington.
HINKS, HENRY	110A, George Street, Croydon.
HOLLIDAY, GEORGE	43-45, High Street, Croydon.
HOOPER, EDGAR WILFRED	Haslemere, Beaufort Road, Reigate.
HOOPER, HAROLD THOMAS ..	16, Osborne Road, Thornton Heath.
HOUGHTON, JOHN GOLDSMITH ..	34, Queen's Road, Richmond Hill.
JARMAN, FRANK WILMOT	19, Wharfedale Gardens, Thornton Heath.
JEFFERIES, HENRY CHARLES, O.B.E.	8, Madrid Road. Barnes, S.W.
LEE, ALEXANDER VICTOR	144, High Street, Guildford.
LODGE, THOMAS ARTHUR	Rythe Lawn, Thames Ditton.
LONGLEY, HENRY BANKS	Surrey Estate Offices, High Street, Epsom
McSHEEHY, JOHN EDWARD GERARD	7, Montana Road, Wimbledon, S.W.19
MANN, FREDERICK CHARLES THOMAS	Woking.
MARTIN, HOWARD	South Lawn, Reigate.
MASON, HERBERT WALTER	The Hutch, Ferndale Road, Banstead
MAYHEW, ROBERT HENRY JEWERS, A.R.I.B.A.	Edmondsbury, Genoa Road, Anerley, S.E.
MEACHER, EDMUND, MAJOR ..	10, Denbigh Gardens, Richmond.
MENZIES, WILLIAM	Golspie, Englefield Green.
MESSENGER, WILLIAM HARRY ..	Town Hall Chambers, Guildford.
MURRELL, GEORGE HERBERT JAMES	St. Mary's House, Quarry Street, Guildford.
NASH, ALFRED JAMES	Farnham.
OGDEN, MICHAEL GUY	4, Hill Road, Wimbledon, S.W.
*OSENTON, CHARLES	Leatherhead.
*PAGE, GEORGE FREDERICK	Eagle Chambers, Kingston-on-Thames.
PARKER, CHARLES GOODE	Howarth, Banstead Road, Belmont, Sutton.
PARTRIDGE, EDWARD JOHN	Bank Chambers, 39, George St., Richmond
PATCH, SHIRLEY HUTCHINS ..	The Chestnuts, Havelock Road, Addiscombe, Croydon.
PEAT, FREDERICK JAMES	West View, Evesham Road, Reigate.
PERRIAM, ALFRED JOSEPH ..	41, Quadrant Road, Thornton Heath
POTTIER, GEORGE LOUIS	53, Marchmont Road, Wallington.
PRESTON, ERIC WATSON	Curlew Hope, Weybridge.
PRICE, MANSFIELD	Salatin, Sutton.
REFFELL, CHARLES ARTHUR ..	Thorney, Ennismore Avenue, Guildford
REMNANT, ARCHIBALD CHARLES	Talbot Lodge, Sunny Bank, South Norwood, S.E.
ROBINSON, FRANCIS WALTER ..	30, Halford Road, Richmond.
ROGERS, LEONARD SAMUEL	6, Park Lane Mansions, Croydon.

Rosevear, John Ashburnham..	335, Upper Richmond Road, East Sheen, S.W.14.
Rutley, Arthur Dennett.. ..	Estate Office, Woldingham Station.
Shearburn, Harry, B.A. (*Cantab.*)	Munstead, Godalming.
Shearburn, William	39, South Street, Dorking.
Silvester, Sidney Bartlett ..	"Kinlough," Purley Downs Road, Purley.
Skues, Charles Ayre Mackenzie	Ye Haven, Hockering Road, Woking.
Smith, Frederick Robert	Hollisdene, Southville Rd., Thames Ditton
Smith, George Henry	41, Clivedon Road, Wimbledon, S.W.19.
Soar, Arthur Cobden	Dilkusha, Park Road, Cheam.
Stacey, Harrie	Station Road, Redhill.
Stacey, Michael Bede..	Gresham Buildings, Redhill.
Stanbridge, Archibald Robert	22, Watery Lane, Merton Park, S.W.
Stewart, Harry S., A.R.I.B.A.	Bracken Hill, Limpsfield.
Stone, Cyril Frank	Lyngate, Belmont Road, Reigate.
Summerfield, Horace	Oversdale, Wherwell Road, Guildford.
Terry, Ernest Fairchild ..	Engamer, 19, St. Matthew's Avenue, Surbiton.
Thompson, Edward Horace ..	Southernhay, Hook, Surbiton.
Ward, Henry Payne..	Burleigh, Reigate Road, Redhill.
Waters, William Richard ..	c/o Chancellors, Richmond.
Watkins, Harold Alfred ..	Roseville, Princes Road, Weybridge.
Webb, William	Estate Office, Silver Lane, Purley.
Whitaker, Ernest Victor ..	8, Mount Ararat Road, Richmond.
Wightman, William Osborne ..	District Valuer's Office, Reigate Hill Road, Reigate.
Wigram, Reginald Spencer ..	Weybourne, Stoke Road, Cobham.
Williams, Harold, O.B.E.	43 and 45, High Street, Croydon.
Wilson, Frederick Robert ..	Bramley Cottage, Station Avenue, Walton-on-Thames.
Wood, Robert	Sandcroft, Purley Oaks Road, Sanderstead.
Young, Kenneth James	1, Imperial Buildings, Croydon.
Young, William George.. ..	13, Branksome Road, Wimbledon, S.W.

PROFESSIONAL ASSOCIATES:

Adams, Donovan Guy	19, Arthur Road, Wimbledon, S.W.19.
Adams, Hubert Arthur, Capt.	Horsington House, Grove Road, Woking.
Allcock, Archibald Joseph	15, Avenue Road, Belmont, Sutton.
Andrews, Percy Charles ..	Valuation Dept., 16, St. Mark's Hill, Surbiton.
Anns, Frank..	Kantara Road, Hook Hill, Sanderstead.
Appleton, Edward	4, Park Avenue, Mitcham.
Atkins, Henry Kent	68, Norbury Crescent, S.W.16.
Ayliffe, Walter Sydney ..	The Shrubberies, Woodside Green, South Norwood, S.E.
Bailey, Victor	85, Dagnall Park, Selhurst, Norwood, S.E.25.

Bartram, Ronald	44, Church Road, Barnes, S.W.
Bates, Leon Rodwell	Greenfields, Christchurch Road, East Sheen, S.W.14.
Bax, William Molyneux ..	37, Milton Road, Wellington.
Bennett, Roland Day	Edbrook, Warren Park, Warlingham.
Berry, William Wellington ..	21, Kingston Hill.
Bettridge, Sidney Woodward..	Ferney Warlingham.
Blake, Alfred Eveleigh ..	c/o Messrs. C. F. Taylor & Co., Horley.
Bland, Robert Lionel	16, Nassau Road, Barnes, S.W.13.
Bliss, John Leslie	Chesleigh, Presburg Road, New Malden.
Boden, Harrold Casswell ..	Raidang, Great Bookham.
Boys, Thomas	Ravenscar, Albion Road, Sutton.
Bray, Jocelyn	Southend, Ockham.
Briggs, George James, Jun. ..	Chantreys, East Horsley.
Brown, Alfred Willoughby Hope	11, The Crescent, Barnes, S.W.13.
Bullock, Burnett..	Milburn Road, Mitcham.
Burton, Reginald John Croft	Roseneath, Valley Road, Kenley.
Bywaters, Stewart Frank ..	Mayes Place, Warlingham.
Caffyn, Sidney Charles ..	1, Church Street, Leatherhead.
Campbell, Charles Howard ..	The Shamba, Abinger Hammer.
Caseley, John Reginald, B.Sc.Eng. (*Lond.*)	42, Alwyne Road, Wimbledon, S.W.19.
Catleugh, William Denzil ..	14, Rosevine Road, Cottenham Park, West Wimbledon, S.W.
Chamberlain, Benjamin	"Pendennis," Sherwood Park Road, Sutton.
Chapple, John Graddon ..	Torrington House, Sandy Lane South, Wallington.
Charity, Frederick William	Glencoe, Woodside Avenue, Esher.
Charman, Francis Eric	St. Annes, College Hill, Haslemere.
Clark, Charles Walter	The Cottage, Meath Green, Horley.
Clark, William George Austin, B.Sc.	24, Addiscombe Court Road, Croydon.
Coatman, William Francis ..	Charlton House, Mason's Avenue, Croydon.
Collins, William Richard, B.Sc.	Council Offices, Ham.
Cottrall, Victor William ..	The Homestead, Rodney Road, New Malden.
Cox, Victor Jennings	Trabes, Shamley Green, Guildford.
Crouch, Geoffrey Thomas ..	The Clock Tower, Mount Felix, Walton-on-Thames.
Crump, Thomas Graham	1, Addiscombe Road, East Croydon.
Cumbers, Ernest Joseph Henry	335, Upper Richmond Road, East Sheen, S.W.14.
Dafforn, George Bertie ..	25, High Street, Wimbledon Common, S.W.
Davis, Thomas Henry Clifford	Glyndwr, Cornwall Road, Sutton.
Downer, George Collins	Flaxlea, Station Road, Redhill.

Durden, Stanley John	202, Melfort Road, Thornton Heath.
Edwards, Lancelot Reginald ..	Nutley, York Road, Guildford.
Edwards, Thomas Henry	The Bridge Estate Office, London Road, Croydon.
Ellis, Clifford Bartlett	28, Chertsey Street, Guildford.
Ellis, Herbert Moates, Capt., m.c.	Butterhill House, Dorking.
Ermrich, Henry	43, Beatrice Avenue, Norbury, S.W.
Evans, Philip	Lynneside, Tirlemont Road, S. Croydon.
Evans, William Kenneth ..	71, Chertsey Road, Woking.
Ewbank, Arthur Leslie John, b.a. (*Cantab.*)	Holmwood, Limes Road, Weybridge.
Falkner, John William	c/o 11, Elmwood Road, Croydon.
Fear, John Lawrence	c/o C. Osenton & Co., High Street, Dorking.
Fifield, Cyril	41, Bray Road, Guildford
Forrester, Harold	The Bridge Estate Office, London Road, Croydon.
Forsaith, Frederick Leslie ..	43, Elmwood Road, W. Croydon.
Freeman, George	Kenmure, Spencer Hill, Wimbledon, S.W.
Frost, Ernest Davenall ..	Oak Tree Cottage, Banstead.
Furniss, George	31, Old Lodge Lane, Purley.
Gadd, Arthur	4a, Fairfield West, Kingston-on-Thames.
Gadd, John Edward	2, Maungate Villas, Maungate Road, Kingston Hill.
Gammon, Frank Leonard ..	188, High Street, Guildford.
Gardner, Harold Frank ..	Dalkeith, Duke's Avenue, New Malden.
Gardner, James	19, Grosvenor Road, Richmond.
Gasson, Stanley	Silchar House, Fife Road, Kingston-on-Thames.
Gates, Ernest Harry	49, Leander Road, London Road, Thornton Heath.
Geall, William Maurice ..	26, Nutfield Road, Thornton Heath.
Gill, Francis Andrew	Glenfine Cottage, White Rose Lane, Woking.
Gill, William Philip	Bankside, Sydney Road, Guildford.
Glenn, George Frederick ..	West Byfleet.
Gosney, Stanley Harry	44, Addiscombe Road, Croydon.
Gotelee, Guy Stanley	St. Cranbrook, Crichton Road, Carshalton.
Grey, Georges Forbes	The Surrey Agricultural Committee, County Hall Annexe, Kingston-on-Thames.
Hagger, George John	Warwick House, Grove Road, Sutton.
Hale, Francis Edward	West Watch, Limpsfield.
Hando, Frederick John	50, Onslow Gardens, Wallington.
Hardwick, Arthur Jessop ..	Eagle Chambers, Kingston-on-Thames.
Harris, Horace Samuel	12, Shrubbery Villas, Bushey Road, Sutton.
Harrison, Amyas	29, Elm Bank Mansions, Barnes.

Hart, Herbert Edward	8, Preshaw Crescent, Lower Green West, Mitcham.
Hartridge, Eliot Nöel	94, Queens Road, Richmond.
Haycock, Harry	95, Kings Road, Kingston-on-Thames.
Hayllar, Sidney Hayllar.. ..	c/o Sadler and Baker, Camberley.
Heelas, Raymond John	Town Hall Chambers, Guildford.
Hemming, Gordon Wayte ..	21, Ellerker Gardens, Richmond.
Henderson, Lionel Edward ..	"Croftdown," 179, Brighton Road, Purley.
Hinks, Henry	Valuation Office, 7, Park Street, Croydon.
Hollowell, Harry	c/o Messrs. Crow, 76, South Street, Dorking.
Hutson, Reginald Arthur ..	Council Offices, Carshalton.
Ibbotson, William Byrom ..	Bye Wood, Boyle Farm, Thames Ditton.
Ireland, Ernest Arthur ..	6, Grosvenor Gardens, East Sheen, S.W.14.
Jackson, William	101, Queen's Road, Wimbledon, S.W.19.
Jamrack, Henry Charles.. ..	188, Ewell Road, Surbiton.
Jennings, Walter Henry.. ..	Bemvinda, Queen's Road, Kingston Hill.
Jones, Arthur Ryland	62, Home Park Road, Wimbledon Park, S.W.19.
Jones, Horace Edward	7, Chatsworth Road, Croydon.
Jones, Mervyn Campbell ..	Threshers Dean, Headley, Epsom.
Keasley, William Eric	Homeleigh, Robin Hood Lane, Sutton.
Keele, John Daniel	Glencairn, Fairview Road, Sutton.
Kennard, Alfred James	33-35, High Street, Croydon.
Kinton, Harold Ernest ..	Stoneleigh,Sheen Lane,East Sheen,S.W.
Kirkwood, James Stuart ..	4, Stanford Road, Norbury, S.W.16.
Laird, Walter Ross..	146, Bingham Road, Addiscombe, Surrey.
Lane, Edmund Arthur	17, Arlington Road, Surbiton.
Langlands, Charles John Lawrence	Hazon House, Epsom.
Logan, Michael Loam	47, Ennerdale Road, Richmond.
Lowe, George Hurst Armerin	Glebelands, Claygate.
Lukey, George Edward ..	Okotoks, Hook Hill, Sanderstead.
Mace, Charles Marriner	106, Ellerton Road, Tolworth, Surbiton.
Mackmin, Henry Augustus ..	Glenlynn, Beulah Road East, Thornton Heath.
Maides, Percy Thomas..	Ockenden, Shirley Park, Croydon.
Mann, Henry	68, Bridge Road, East Molesey.
Marks, John Barkly	The Rhedan, Farnham.
Marston, Horace Arthur ..	Surveyor's Dept., Malden & Coombe U.D.C., New Malden.
Mears, John Arthur..	40, Fairfield South, Kingston-on-Thames.
Menzies, Ronald Victor	53, High Street, Egham.

Middleton, Cecil Bernard ..	St. Mary's, Woldingham.
Molyneux, Frank Eustace ..	Lingfield, Smitham Bottom Lane, Purley.
Moon, Henry Alfred, A.R.I.B.A.	1, Melbourne Road, Merton Park, S.W.
Murray, Arthur Malcolm.. ..	Doric Villa, Duke's Avenue, New Malden.
Nightingall, Charles William	19, Hardwicke Road, Reigate.
Paice, William, Jun.	Wentworth Cottage, Virginia Water.
Parker, Herbert William, Capt.	Claremont, Brighton Road, Sutton.
Paul, George Garnham	Varenna, East Sheen Avenue, East Sheen, S.W.14.
Pearse, Martin	Abinger, Egmont Road, Sutton.
Pentleton, Robert Henry ..	Revelstoke, Salisbury Road, Carshalton.
Peters, George Farmer James..	Royal Oak Farm, Goldsworth, Woking.
Peters, Leslie	134, High Street, Guildford.
Philcox, Cecil Lodge	Northover, Heathside Park Road, Woking.
Pidgeon, Frank Allen	c/o Morgan Baines & Clark, Sutton.
Pool, Arthur Harry William..	6, Ashdown Road, Kingston-on-Thames.
Pottier, Alfred	17, Julien Road, Coulsdon.
Preston, Walter Ronald	Curlew Hope, Weybridge.
Pulford, Leonard Cyril	The Cedars, Addiscombe.
Purdie, John Ernest	Whytecotte, Petersham Avenue, Byfleet.
Pyne, Reginald Walter ..	Bybrook, Godstone Road, Purley.
Radburn, Sydney Charles ..	Cheriton Ridge, Kingston Hill.
Rampton, Frederick	47, Fernhurst Road, Addiscombe.
Rees, William Harold	Braeside, Crossland Road, Redhill.
Rickets, Reginald Herbert ..	41, Southdown Road, Wimbledon, S.W.19.
Roberts, Frederick Leonard ..	32, St. Matthews Avenue, Surbiton.
Robinson, Joseph Temple ..	County Hall Annexe, Kingston-on-Thames.
Rowland, Harold Evans	The Gate House, Russell Hill, Purley.
Rudd, Douglas George Ferris	Fairview, Malcolm Road, Coulsdon.
Rutter, John Gibson	Londesborough Lodge, Worcester Park.
Sayer, Harvey Robert, A.R.I.B.A.	45, Choumert Road, Peckham, S.E.
Schilling, John Francis	3, The Broadway, Weybridge.
Schofield, Riley	c/o Engineer & Surveyor's Office, Broadway House, Mitcham.
Scorer, Alfred George	Hillcrest, Chilworth, Guildford.
Scroggs, Joseph Herbert ..	c/o Boniwell & Co., The Parade, Claygate.
Scurfield, Robert	Town Hall Chambers, Guildford.
Shaw, Robert William	5, Dapdune Crescent, Guildford.
Shearburn, William Ivery.. ..	Culverton Lodge, Dorking.
Sinden, Leslie William	43, Stoke Road, Guildford.
Skeet, Norman John	Newlands, Whitehall Road, Thornton Heath.

SMITH, ARTHUR FREDERICK ..	15, Elm Road, New Malden.
SMITH, FREDERICK SUTTON ..	8, Ross Parade, Wallington.
SMITH, JOHN RAYMOND	Cardington, Grange Road, Sutton.
SOUTHGATE, FREDERICK JOHN ..	11, Acacia Road, Norbury, S.W.16.
STAMFORD, ALFRED ARTHUR.. ..	23, Lower Green Road, Esher.
STEDEFORD, JOHN BRITTON ..	189, Selhurst Road, South Norwood, S.E.
STEDMAN, ERNEST WALTER ..	Elstree, 10, Marchmont Road, Wallington.
STILES, HERBERT	20, Temple Sheen Road, East Sheen, S.W.
SUNDERLAND, AMOS	113, Sydenham Road North, Croydon.
SYKES, CYRIL	Pound Land, Shamley Green, Guildford.
TANDY, ALFRED HENRY	The Briers, Southville Road, Thames Ditton.
TAYLOR, ARTHUR BRASSEY	74, Foxley Lane, Purley.
TAYLOR, CECIL GEORGE	Westcroft, Westhall Road, Warlingham.
TAYLOR, WALTER FLOYD	95, Whitworth Road, S. Norwood.
TOWNLY, RONALD STARKEY ..	Rosebank, Downs Court Road, Purley.
TURNER, ALEXANDER WAKEFIELD	Highfield House, Guildford.
TURNER, HENRY CHARLES PETTIT	204, Croydon Road, Anerley, S.E.
TURVILL, OSCAR FREDERICK ..	2, Frame Villas, Petersham Road, Ham Common.
WAGSTAFF, FREDERICK HOWARD..	Ellerslie, Campden Road, South Croydon.
WALKER, JAMES CHALMERS ..	16, Panmuir Road, Cottenham Park, S.W.
WALLIS, ERNEST DETTMAR ..	The Shelter, Bowes Road, Walton-on-Thames.
WARREN, STANLEY ARTHUR ..	Wychwood, Farnham.
WATSON, ALBERT RICHARD ..	68, Elm Road, New Malden.
WEEKES, CYRIL SWAFFER	Estate Offices, Guildford.
WHITAKER, STEPHEN EDWARD ..	22, Selwood Road, Addiscombe, Croydon.
WICKER, JOHN OWEN	9, Belmont Road, Wallington.
WILKINS, HERBERT RANDOLPH ..	Hill View, Pewley Hill, Guildford.
WILLIAMS, FRANK MCCLURE ..	La Barn, Dunsfold.
WORDSWORTH, CHRISTOPHER.. ..	Brooklands, South Godstone.
WORLAND, HENRY JOHN	1, North Road, Surbiton.
WRIXON, ALBERT GEORGE	41, Richmond Park Road, East Sheen, S.W.14.
YEWDALL, FRANCIS EDWARD.. ..	Borough Surveyor's Office, Town Hall, Richmond.

ASSOCIATES :

BIDDER, HAROLD FRANCIS, MAJOR, D.S.O., B.A.	Ravensbury Manor, Mitcham.
CHART, STEPHEN	Greenview, Mitcham.
CRESWELL, WILLIAM THOMAS, CAPT., LIC. R.I.B.A.	Carshalton.
DOCKING, CARLTON WILLIAM ..	Roslyn, Barclay Road, Croydon.
SETH-SMITH, ARCHIBALD..	Silvermere, Cobham.

PROBATIONERS:

Adams, James Whirter Renwick	Surrey Lodge, Thames Ditton.
Anderson, James Hamilton ..	92, Madrid Road, Barnes, S.W.13.
Boorman, Reginald William ..	9, Crouch Villas, Cedar Road, East Croydon.
Bright, Eric Stewart	1A, Haydon Park Road, Wimbledon, S.W.19.
Broad, George Hector	4, Grosvenor Avenue, Wallington.
Campbell, Ian Roy	Blatchcombe. Chilworth.
Chapman, Herbert Arthur ..	34,Chestnut Road,Kingston-on-Thames.
Charlton, Noel	172, Sheen Road, Richmond.
Clark, Albert Edward	Welwyn, Addiscombe Court Road, Croydon.
Cowell, Arthur Edmund ..	Brookside, North Holmwood, near Dorking.
Dawney, Percy Wilfrid.. ..	Caswell, Downs Court Road, Purley.
De Ville, Martin Ingram.. ..	Ardlin, Fairdene Road, Coulsdon.
Fairer, Thomas Joseph	24, Dorking Road, Epsom.
Field, James Donald	Brooklyn, Horley.
Hagger, Guy Montague Wiles	80, Park Road, Kingston Hill.
Heather, John	70, Lesbourne Road, Reigate.
Hummell, Horace Reginald ..	Homefield, Horley.
Hunt, Cyril	14, Clyde Road, Croydon.
Kennett, Henry James	44, The Quadrant, Richmond.
Kinnell, Brian	Boulderwood, Mount Hermon Road, Woking.
Langran, Joseph George.. ..	30, Chatham Road, Kingston-on-Thames.
Mason, Henry Edward Roy ..	53, Hampstead Road, Dorking.
Matthews,Wolverley Clifford	Mill House, Church Road, Croydon.
Motion, Donald Graham ..	Leigh Place, near Reigate.
Norrington,Charles Frederick	Coombe Dene, Woodside Park, New Malden.
Paice, William Robert	46, Cannon Hill Lane, Merton, S.W.20.
Sherwill, Frank Charles ..	Leyfields, Chipstead.
Stone, Kenneth Edward Day..	Tugela, King's Ride, Camberley.
Tapping, Reginald Ernest ..	The Old House, Waddon.
Wagstaff, Frederick Arthur	Ellerslie, Campden Road, South Croydon.
Wakeford, Reginald Percy	Shere, Raymond Road, Wimbledon.
White, Harold Cedric	33, Park View Road, Addiscombe.
Winkworth, Edward Henry St. John	Horsell Lodge, Woking.

STUDENTS:

Absalom, Harold John	Breamore House, Station Road, Epsom.
Blackwell, Cyril Saint Clair	The Beeches, Burnell Road, Sutton.

Brown, Arthur Thomas ..	Gerrard's Lodge, Banstead.
Browne, Ronald Edwin James	44, Church Road, Wimbledon, S.W.19.
Dowe, John Francis	9, Rosemount, Wallington.
Eggar, Richard Kennedy ..	Carna, Ashstead.
Eve Anthony Denys	Weylea, London Road, Guildford.
Freeman, Wilfred Frank ..	Avonbank, Cavendish Road, Sutton.
Garrett, Alan Young	South Lodge, Chipstead.
Hansley, John William Charles	48, Mayfield Road, Sanderstead.
Osborne, Lionel Ernest Condé	113, East Sheen Avenue, East Sheen.
Salter, Charles Robin	Danefield, Purley Oaks Road, Sanderstead.
Shepherd, William Joseph Lionel	14, Merton Hall Road, Wimbledon, S.W.19.
Thompson, William	8, Crescent Gardens, Wimbledon Park, S.W.19.
Todd, John Thomas	Southern Rly., District Engineer's Office, East Croydon.

SUSSEX.

(Sussex Branch.)

FELLOWS:

Baines, Matthew Talbot, M.A. (*Cantab.*)	Westbrook Hall, Horsham.
*Bannister, Montagu Douglas..	Market Place, Hayward's Heath.
Basley, Harold Pullam	163, North Street, Brighton.
Beaumont, Raymond Pilbeam ..	9, North Street, Brigton.
Bond, Erasmus	Beachy Down, Edensor Road, Eastbourne.
Bowditch, Henry	Sunny Bank, Chichester Road, Bognor.
Bowley, John Cross	St. Tudno, Mountney Road, Eastbourne.
Burtenshaw, Albert	Hailsham.
Burtenshaw, Albert King.. ..	Hailsham.
Callow, Clayton Harold ..	47, Havelock Road, Hastings.
Carr, Charles Watson	17, Sussex Gardens, Eastbourne.
Chilton, Ernest Alfred.. ..	Molesey House, Uckfield.
Clarke, Alfred Howard ..	11, High Street, Crawley.
Colgate, Thomas	Meeching Court House, Newhaven.
Culverhouse, Cecil Goldar Fearn	28, Holland Road, Hove.
Cuthbert-Williams, Henry ..	Dudley House, The Steyne, Bognor.
Dennison, John W., F.R.I.B.A. ..	28, Upperton Gardens, Eastbourne.
Dyer, Frederick Burfield ..	28, Holland Road, Hove.
Evans, Edwin Dudley	La Marina, Old Fort Road, Shoreham-by-Sea.

FORD, ANDREW	7, Gildredge Road, Eastbourne.
*GARDNER, GILBERT	Crawley.
GREEN, EDMUND HORACE ..	10, Carew Road, Eastbourne.
HALL, RODERICK GLENDINNING..	Maryfield, Eastdean, Eastbourne.
HOBGEN, THOMAS CECIL..	41, East Street, Chichester.
HODGSON, ARCHIBALD SANFOR..	Westons Place, Warnham.
*INGRAM, WALTER FEILDE	2, St. Andrew's Place, Lewes.
MARTIN, JOHN PATTINSON	The Estate Offices, Station Approach, Seaford.
MELLOR, THOMAS HENRY	1, Sillwood Place, Brighton.
MITCHELL, GEORGE SHARMAN ..	Broadbridge Place, Horsham.
NORTH, GEORGE	Anscombe House, Queens Road, Worthing.
NYE, HAYDN PERCIVAL	28, Holland Road, Hove.
OGILVIE, ROBERT MATHEWSON ..	Market Place, Hayward's Heath.
OVERTON, WILLIAM HENRY	22, Ship Street, Brighton.
PARRIS, CHARLES JOHN	Crowborough.
PARSONS, FREDERICK CECIL	163, North Street, Brighton.
PHILLIPS, WILLIAM EDWIN	43, Gwydr Mansions, Hove.
POWELL, HUBERT JOHN..	Hill Lodge, Lewes.
*POWELL, REGINALD HENRY ..	Estate Office, Lewes.
PRICE, ROBERT HENRY	Home Cottage, Richmond Avenue, Bognor.
SCRIVEN, CHARLES HERBERT ..	Watlington, Grange Road, Lewes.
SMITH, SIDNEY	Southwater, Horsham.
STEVENS, BENJAMIN	20, Cornfield Road, Eastbourne.
STEVENSON, FREDERICK JOHN ..	Daledene Lodge, Silverdale Road, Eastborne.
TAYLOR, JOHN HERBERT	Turner's Hill.
WALFORD, EDWARD	Fieldcote, East Grinstead.
WARR, GEORGE WALTER..	Town Hall, Southwick.
WATSON, CHARLES EDWARD ..	17, Sussex Gardens, Eastbourne.
WATSON, JAMES BRUCE.	Petworth.
WILKINSON, THOMAS	170, North Street, Brighton, and 30A, Western Road, Hove.
*WOOD, LESLIE STUART	East Grinstead.
WOODHAMS, JAMES PERCY	27, High Street, Battle.
*WYATT, HERBERT GUY BUCKELL	East Street, Chichester.
*WYATT, OLIVER NEWMAN	East Street, Chichester.
YOUNG, SIDNEY	1, Keymer Road, Burgess Hill.

PROFESSIONAL ASSOCIATES:

ADAMS, GERALD JAMES FREDERIC	"Kitsilano," Golf Links Avenue, Felpham.
ALLAM, FREDERICK WILLIAM ..	Quarries Cottage, Mannings Heath, Horsham.

Andrews, William Frederick	97, Buckingham Road, Brighton.
Ansell, Douglas George ..	11, Brunswick Terrace, Hove.
Atkinson, Clifford Garnett ..	Horsham U.D.C., Town Hall Chambers, Horsham.
Avery, Thomas Arthur	Dyke View, Anstye, Cuckfield.
Ayling, John	17, Richmond Place, Brighton.
Bailey, Alfred Cecil	The West Worthing Auction and Estate Offices, Worthing.
Bates, Percy	60, Preston Street, Brighton.
Beale, Donald Olaf Christopher	Uckfield.
Benton, Gerald Sydney	14, Norfolk Road, Brighton.
Bisley, Claude Vivian	Wyvern. Vallance Gardens, Hove.
Brissenden, Charles Cooper ..	Butts, Cousley Wood, Wadhurst.
Burrell, Frank	22, Ship Street, Brighton.
Burstow, Ralph Henry	46, Station Road, Bexhill-on-Sea.
Burt, Walter Leslie	Penland, Steyning.
Bush, Arthur Brinsley	c/o The Estate Office, Lewes.
Bush, Dennis George	c/o Messrs. Powell & Co., The Estate Offices, Lewes.
Calff, George Stuart	Mill Lodge, Seaford, and Terminus, Buildings, Seaford.
Campbell, Cyril Herbert ..	Richmond Cottage, Stindon.
Carpenter, Robert Henry ..	"Parkwood," St. Swithuns Terrace, Lewes.
Chapman, Frederick Montague	West Dean, Chichester.
Chasemore, Alec	Ashleigh, Horsham.
Chennells, Arthur John ..	c/o Wilkinson, Son & Welch, 170, North Street, Brighton.
Child, Charles	Slinfold, near Horsham.
Clifton, Charles	6, Clifton Road, Brighton.
Cork, Ronald John	Duckyls, East Grinstead.
Cotching, George Frederick ..	26, Chapel Road, Worthing.
Cutts, Edward James	99, Pevensey Road, Eastbourne.
Deacon, Edwin Thomas	70, Ship Street, Brighton.
Dove, James Faith	20, Burlington Place, Eastbourne.
Draper, Frederick Charles ..	22, Greenfield Road, Old Town, Eastbourne.
Edwards, Lancelot Reginald ..	Glen Lyn, King Henry's Road, Lewes.
Graves, Paul Kingsley	117, North Street, Brighton.
Hardiman, Harry	6, Wellington Gardens, Battle.
Hewett, Richard	13, High Street, Battle, Hastings.
Hodson, Anthony George	Sunnybank, Kingston Road, Lewes.
Holman, Luther Martin	Brooklyn, Ditchling Road, Brighton.
Howlett, Arthur Royce	High Street, Hurstpierpoint.
Howse, Frederick Thomas Lane	The Poplars, Beckley.
Innes, Gilbert Plantagenet Mitchell	Sandrock Hill, Playden.

JAMES, HARRY	The Park, Arundel.
KING, ERIC FRANK HULME, B.A. (*Cantab.*)	Park Farm, Horsham.
LUCAS, JOSEPH	22, East Ascent, St. Leonards-on-Sea.
MACER, ALFRED THOMAS	1, Windsor Road, East Worthing.
MALCOLM-ELLIS, KENNETH ..	12, Hertford Road, Worthing.
MAPLESDEN, JAMES WILLIAM ..	5, Middle Row, East Grinstead.
MAYNARD, JOHN EDWARD	1, Collington Avenue, Bexhill-on-Sea.
MELLOR, JAMES FREDERICK	110, St. James's Street, Brighton.
MONAHAN, ARTHUR WILLIAM ..	43, Sackville Gardens, Hove.
MOODY, WALTER NORRIS	Westdene, Milton Road, Eastbourne.
MORSE, ARTHUR PERCY	83, Beaconsfield Villas, Brighton.
MORWOOD, ARTHUR	Engineer's and Surveyor's Dept., Town Hall, Eastbourne.
NEWINGTON, CALEB RICKMAN K. ..	The Kennel, Pyecombe, Hassocks.
OVERTON, PERCY	3, Albion Mansions, Marine Parade, Hastings.
PARKER, BELTRAN WILLIAM ..	Framfield Road, Buxted.
PARKS, WALTER	51, Havelock Road, Hastings.
PAYNE, ERNEST ALBERT DENISON	14, Warwick Street, Worthing.
PEARCH, DOUGLAS DAVISSON ..	West Hill House, Hastings.
PEGLER, FRANK REGINALD ..	Peacehaven Estates, Peacehaven, near Newhaven.
PEIRCE, RICHARD GEORGE	61, Rutland Gardens, Hove.
PENNINGTON, RICHARD WATSON	Cowbeech House, near Hailsham.
PHILLIPS, SAMUEL CHARLES ..	Crafnant, Ariadne Road, West Worthing.
POWELL, HUMPHREY CROFTS ..	38, Wilbury Road, Hove.
PRIOR, ARTHUR SPARKS	c/o G. M. Simpson, Esq., 16, Ship Street, Brighton.
RAYSON, WILLIAM JAMES	56, Sackville Road, Bexhill.
ROWE, BASIL ARTHUR	51, Eastbrook Road, Portslade, Brighton.
ROWLAND, FRANK SKINNER ..	Smithbarn Lane, Horsham.
RUSSELL, ERNEST, CAPT., R.E. ..	80, The Highway Moulsecomb, Brighton.
SCEATS, DOUGLAS BRIANT	2A, Devonshire Square, Bexhill-on-Sea.
SMITH, GEORGE STUART ST. JOHN	Ivy House, High Street, Uckfield.
SMITH, HAROLD SANKEY	Great Sanders Estate Office, Sedlescombe.
SMITH, VICTOR CHARLES COMPTON	2, The Steyne, Worthing.
STANHAM, ALAN FRANCIS GORDON	Heatherley, Copthorne, Crawley.
STANHAM, HUGH GORDON ..	Heatherley, Copthorne, Crawley.
STRIDE, WALTER OSBORN	Messrs. Stride and Son, 63, East Street, Chichester.
TAYLOR, GEORGE AUSTEN ..	County Hall, Lewes.
THORPE, RAYMOND WILLIAM ..	46, Western Road, Hove.
TREGEAR, REGINALD WILLIAM	6, London Road, Bognor.
UDNY, AUGUSTUS CHARLES	142, Springfield Road, Brighton.
ULLYETT, LESLIE GEORGE STANTON	c/o Patching & Co. (opposite Station), Worthing.

Upton, Thomas Herbert	Estate Office, Burton Park, Petworth.
Wallis, Charles Henry	Borough Surveyor's Office, Worthing.
Weir, Edward	Municipal Technical College Brighton.
West, Sidney Herbert	North House, Portslade.
Wheeler, Percy Harriskine ..	Easebourne, Midhurst.
Whiteman, Obed Arthur John	46, Sackville Road, Hove.
Willoughby, Frank	Maylands, London Road, Hailsham.
Wood, Raymond Herbert ..	Rose Leigh, Cranston Road, East Grinstead.

ASSOCIATES :

Freeman, George Mallows, K.C.	The Grey Friars, Winchelsea
Rigg, Herbert Addington, K.C..	Wallhurst Manor, Cowfold.
Woolnough, John William ..	14, Seaside Road, Eastbourne.

PROBATIONERS :

Cole, George Charles	Brandwood, Broadbridge Heath, Horsham.
Dawson, Alwyn Hugh Basil ..	9, Rose Hill Gardens, Jarvis Brook.
de Silva, Walter Raymond ..	Avondale House, Avondale Road, Hove.
Fowler, Clement Harwood ..	Oakcroft, Cowfold.
Gardner, Geoffrey Gilbert ..	Hendall, Crawley.
Hawkins, William Victor ..	170, Springfield Road, Brighton.
Llewellyn, Eric Gilbert ..	92, Ringwood Road, Eastbourne.
Mitchell, Jack Harold	Sunnygarth, Sunnyside, East Grinstead.
Pope, Philip Montague	42, Tisbury Road, Hove.
Saunders, Edmund Barnard	Fridays Hill Cottage, Fernhurst.
Sharman, Eric Arthur	Farleigh, Osmond Road, Hove.
Smith, Maurice Giles	Millfield, Allington Road, Newick.
Tollit, Francis John	11, Sussex Square, Brighton.
Tollit, Gerald Andrew	11, Sussex Square, Brighton.
Tomkins, George Edward ..	The Grange, Dorothy Road, West Hove.

STUDENTS :

Chamberlain, Stanley James	53, New Road, Littlehampton.
Cornelius, Bernard James ..	Surveyors' Dept., Town Hall Chambers, Horsham.
Croysdill, Leslie Clifford ..	20, Weston Road, Hove.
Dulake, Thomas Sowerby ..	High Street, Lewes.
Hodgson, Arthur Geoffrey Sanford	Westons Place, Warnham.
Holman, Maurice George ..	32, South Road, Hailsham.
Huggett, Ronald Noël	50, Motcombe Road, Eastbourne.
Longley, Basil	The Beeches, Crawley.

Mason, Austin Elliott	Tortington Manor, Arundel.
Sendall, Leslie Frederic ..	Holmdale, Arthur Road, Horsham.
Sharp, John Neville	46, Beaconsfield Villas, Brighton.
Tregear, Philip Arthur.. ..	51, Seaside Road, Eastbourne.
Walshe, Harry Willson ..	8, John Street, Shoreham.
Whatley, William George ..	The Cottage, Melrose Hall, Wilbury Road, Hove.

WARWICKSHIRE.

(Warwick, Worcester, Stafford and South Derby Branch.)

FELLOWS:

Abrams, John Edward	Kirkstall, Kingsheath, Birmingham.
Bagnall, Joseph Ernest	Queen's College, Paradise Street, Birmingham.
Bailey, Cecil Henry	13, Bennett's Hill, Birmingham.
Bailey, Thomas Henry	13, Bennett's Hill, Birmingham.
Bettridge, John C. L...	West View, Stratford Road, Shirley, near Birmingham.
Bigwood, Ernest Guy	158, Edmund Street, Birmingham.
Bigwood, Ernest J.	158, Edmund Street, Birmingham.
Bocking, Thomas George ..	13, Bennett's Hill, Birmingham.
*Bolam, Charles Godfrey.. ..	Dunchurch, Rugby.
Bond, Walter Benjamin.. ..	14, Temple Street, Birmingham.
Collins, Leonard Keyte.. ..	1, Newhall Street, Birmingham.
Cox, Frank Thomas, Lt.-Col., D.S.O.	9, Vernon Road, Edgbaston, Birmingham.
Crapp, Frederick Elliott ..	c/o J. K. Dale, 117, Colmore Row, Birmingham.
Dale, John Kirkham	117, Colmore Row, Birmingham.
Dawson, George Crosbie	19, Priory Row, Coventry.
Dean, William	42, Radford Road, Coventry.
Fayerman Alec George Percy, Major	57, The Parade, Leamington
Firth, Fred..	The Kennels, Packington Hall, near Coventry.
Fisher, Thomas George	128, Colmore Row, Birmingham.
Floyd, Arthur Noel	Messrs. Dixon & Floyd, 83, Colmore Row, Birmingham.
Fowler, Gerard Edmund.. ..	Colmore House, 21, Waterloo Street, Birmingham
Fowler, Richard..	35, Silverbirch Road, Erdington, Birmingham.
Fowler, William	69, Temple Row, Birmingham.

GLOVER, CECIL MILLER	Daimler House, 33, Paradise Street Birmingham.
GODFREY-PATON, WALTER ..	2, Bridge End, Warwick.
HARRIS, ARNOLD ELSMERE	117, Colmore Row, Birmingham.
HAYWARD, FRANK	39 & 40, Temple Street, Birmingham.
HOBBS, REGINALD ARTHUR ..	128, Colmore Row, Birmingham.
HOOTON, LEONARD STANWELL ..	10, Northgate Street, Warwick.
HUTCHINGS, WILLIAM ARTHUR ..	Durley Cottage, Sutton Coldfield.
JONES, URWICK MEREDITH	Warwick Chambers, Corporation Street Birmingham.
LAKIN-SMITH, ERNEST	Colmore House, 21, Waterloo Street Birmingham.
LANCASTER, SIDNEY JAMES ..	Rates Office, Edmund Street, Birmingham.
LEWIS, GEORGE	33, Newhall Street, Birmingham.
*LUDLOW, BRIG.-GENERAL WALTER ROBERT, C.B.	19, Temple Street, Birmingham, and Lovelace Hill, Solihull.
*MATHEWS, LEWIS OSLER, M.A. (*Cantab.*)	12, Waterloo Street, Birmingham.
MILLS, DANIEL	Valuation Office, Inland Revenue Union Chambers ,Coventry.
MILNE, JAMES LOGIE	43, Cannon Street, Birmingham.
NICHOLLS, CHARLES WILLIAM ..	Estate Office, Ministry of Munitions Holbrook Lane, Coventry.
PAIN, GEORGE LLOYD	5, Vicarage Road, Leamington.
PEARSE, OCTAVIUS BURROUGHES..	Foxhill, Dyott Road, Moseley, Birmingham.
PINNEY, FREDERICK WYLDBORE DIGBY	6, Waterloo Street, Birmingham.
PINSON, GILBERT	Cobden Buildings, Corporation Street Birmingham.
*RAIKES, COLONEL GEORGE WHITTINGTON	Woodville, Leamington.
RALPHS, WALTER..	880, Coventry Road, Small Heath Birmingham.
RANDALL, AUGUSTINE ST. GEORGE	District Valuer's Office, Union Street Coventry.
ROWSE, ANTHONY	117, Colmore Row, Birmingham.
SILK, CHRISTOPHER	33, Newhall Street, Birmingham.
SMITH, FRANK	104, Colmore Row, Birmingham.
SOUTHORN, CHARLES HERBERT ..	38, The Parade, Leamington Spa.
TAIT, WILLIAM IRONSIDE, MAJOR, O.B.E.	Phœnix Chambers, 84, Colmore Row Birmingham.
TAYLOR, ARTHUR F.	3, Woodfield Road, King's Heath, Birmingham.
TAYLOR, FRANK GEOFFREY	8, Montague Road, Edgbaston, Birmingham.
TAYLOR, GEORGE SYLVESTER ..	Queen's College, Paradise Street, Birmingham.

TERRY, ARTHUR ELLIOTT	District Valuer's Office, 18, Bennett's Hill, Birmingham.
TURNER, FRED WETHERELL	32, Coton End, Warwick.
TYPE, MARCUS OSWALD..	87, Edmund Street, Birmingham.
WAY, LIONEL HUGH	127, Lincoln's Inn, 174, Corporation Street, Birmingham.
WEBB, WALTER WILLIAM	14, Temple Street, Birmingham.
WELSH, HUGH..	1, Portland Place, Leamington Spa.
WHITLOCK, FRANCIS JOHN	Bank Street, Rugby.
WILLIAMS, JOHN LEWIS	47, Temple Row, Birmingham.
*WILLMOT, JOHN	6, Waterloo Street, Birmingham.

PROFESSIONAL ASSOCIATES:

ARCHER, HARRY BARTON	26, Belvedere Road, Coventry.
ASH, HORACE JAMES, A.R.I.B.A...	17, Bridge Street, Nuneaton.
ASHLEY, REGINALD WALKER.. ..	Brae Lodge, Mickleton Road, Coventry.
AVERY, JOSEPH ALBERT	151, Minstead Road, Gravelly Hill, Birmingham.
BALLARD, WILLIAM EDGAR, A.M.I.C.E.	29, Anderton Park Road, Moseley, Birmingham.
BAYLIS, ALFRED WILLIAM.. ..	128, Colmore Row, Birmingham.
BINES, THOMAS HENRY	G.D.O., Public Works Department, Council House, Birmingham.
BLOORE, HARRY GROSVENOR.. ..	83, Greenfield Road, Harborne, Birmingham.
BOAST, CHARLES ERIC, M.C., A.M.I.C.E.	2, Uxbridge Avenue, Binley Road, Stoke, Coventry.
BOURNE, HARRY GORDON	132, Station Road, Wylde Green, Birmingham.
BOWEN, ALEXANDER	37, Cannon Hill Road, Balsall Heath, Birmingham.
BRITTON, BERNARD CHARLES ..	The Nook, Coleys Lane, Northfield, Birmingham.
BRYAN, ARTHUR	153, Albert Road, Stechford, Birmingham.
BUNTING, ALFRED HENRY ..	14, Morden Road, Stechford.
BURN-CALLANDER, CUTHBERT ..	The Cottage, Barford, Warwick.
BUTLER, ARTHUR STANLEY ..	256, Edward Road, Balsall Heath, Birmingham.
CARNABY, HAMMOND RIDLEY, A.M.MUN. & C.E.	12, Weolay Hill, Selly Oak, Birmingham.
CAPPER, WILLIAM..	Valuation Office, Inland Revenue, Union Street Chambers, Coventry.
COALES, HERBERT WALLIS, CAPT., M.C.	Ministry of Transport, Roads Dept., 117, Colmore Row, Birmingham.
COOK, FREDERICK CHARLES ..	Ministry of Transport Roads Dept., 84, Colmore Row, Birmingham.

Coulson, Eric James	34, Abbots Road, King's Heath, Birmingham.
Currall, Edward Percy	8, Bernards Road, Olton, Birmingham.
Dann, Herbert	20, Holland Street, Sutton Coldfield, near Birmingham.
Deakin, Francis Henry	243, Hagley Road, Edgbaston, Birmingham.
Elkins, Charles Henry ..	The College, 27, Binswood Avenue, Leamington.
Ellingham, Ernest Joseph ..	81, James Street, Rugby.
Fitch, John Thomas, A.M.I.C.E. ..	45, Smallbrook Street, Birmingham.
Francis, Thomas John Philip ..	98, Northfield Road, King's Norton, Birmingham.
Frazier, Gordon Stuart	19, Prospect Road, Moseley, Birmingham.
Gawthorp, Harold Arthur ..	Estate Office, Northfield Road, King's Norton, Birmingham.
Green, Frederick Sidney	106, Taylor Road, King's Heath, Birmingham.
Hedley, Michael Thompson ..	Canwell, Sutton Coldfield, near Birmingham.
Hedley, Reginald Thomas Fenwick	31A, Colmore Row, Birmingham.
Hendy, Alfred	39, Barras Lane, Coventry.
Hill, Victor Falkland	c/o Messrs. L. J. Milne & Bourne, 43 Cannon Street, Birmingham.
Hingley, Joseph Bloomer.. ..	Bank Chambers, Nuneaton.
Hodson, Henry Moulton ..	c/o Messrs. James Styles & Whitlock, Rugby.
Holbeche, Nigel Laurence ..	21, Bennett's Hill, Birmingham.
Howkins, Gilbert	The Elms, Crick, Rugby.
Johnson, Herbert Thomas ..	21, Elsee Road, Rugby.
Jones, Percy Beaumont ..	86, Station Road, King's Norton.
Kuphal, Francis William ..	15, Russell Road, Hall Green, Birmingham.
Lea, Percy Lister Zair	19, Cannon Street, Birmingham.
Lees, Eric Christopher Lingham	18, Jury Street, Warwick.
Macmahon, John Francis ..	98, Fentham Road, Birchfield, Birmingham.
Mathews, Oliver Lewis	12, Waterloo Street, Birmingham.
Middleton, Alan Edwin, Capt...	47, The Parade, Leamington Spa.
Neale, John Humphrey	18, St. Albans Road, Moseley, Birmingham.
Neale, Thomas Archibald ..	Southfield, New Road, Water Orton, Birmingham.
Perkins, Joseph	86, Willows Road, Balsall Heath, Birmingham.

POWELL, CLIVE DAVID ALLEN ..	40, Woodstock Road, Moseley, Birmingham.
RAYNER, KENNETH	34, Benswood Avenue, Leamington Spa.
REDFERN, CHARLES FREDERICK ..	c/o Foster and Redfern, 7, Temple Row West, Birmingham.
RICHARDS, ROBERT HERBERT ..	Whitehouse Common, Sutton Coldfield.
STEEDS, HERBERT EUSTACE .. .	c/o Couchman and Steeds, 75, New Street, Birmingham.
STOPHER, GEORGE	Corbiere, Maurice Road, King's Heath, Birmingham.
SUCKLING, WALTER SCOFIELD ..	96, Wake Green Road, Moseley, Birmingham.
TAYLOR, ALFRED MOULTON	21, Church Hill, Leamington.
TAYLOR, LEONARD JOE	82, Birmingham Road, Rowley Regis, near Birmingham.
THOMPSON, WILLIAM HENRY HARCOURT	10, Alder Road, Moseley, Birmingham.
TURNER, DRYSDALE	82, Ruskin Chambers, 191, Corporation Street, Birmingham.
VEAL, WILFRED HENRY	174, Showell Green Road, Sparkhill, Birmingham.
VICKERY, RAYMOND MILTON ..	The Estate Office, Bournville, Birmingham.
WEAVER, HENRY PERCIVAL FRANCIS	57, Varna Road, Edgbaston, Birmingham.
WELLER, CYRIL GORDON RAMSAY	127, Lincolns Inn, 174, Corporation Street, Birmingham.
WILLETTS, JOHN BRADLEY ..	29, Sandford Road, Moseley, Birmingham.
WILLIAMS, CHARLES	Valuation Department, Inland Revenue, Coventry.
WILLIAMS, TOM LAWRENCE ..	Goshen, Stratford Road, Hall Green, Birmingham.
WOOD, HARRY GEORGE..	7, Wellington Road, Handsworth, Birmingham.

PROBATIONERS:

FRENCH, ARTHUR GEOFFREY ..	7, Lyttelton Road, Edgbaston, Birmingham.
KEYTE, JOSEPH RUSHBROOKE ..	Ebrington, Alderbrook Road, Solehill.
MATTHEWS, HENRY JAMES ..	23, St. Agathas Road, Ward End, Birmingham.
OSBORNE, CHARLES HENRY ..	5, Melville Road, Coventry.
PUGH, NORMAN JOHN	Waterworks House,Spon End,Coventry.
RIDGWAY, WILLIAM	29, Clifton Road, Rugby.

STUDENTS:

COTTON, JACK	34, Augustus Road, Edgbaston, Birmingham.
DALE, KENNETH KIRKHAM ..	60, Prospect Rd., Moseley, Birmingham.
POWELL, MAYNARD HENRY ..	40, Woodstock Road, Moseley, Birmingham.
WRIGHT, NORMAN CHARLES ..	119, Ivor Road, Sparkhill, Birmingham.

WESTMORLAND.

(Cumberland and Westmorland Branch.)

FELLOWS:

FULTON, EDWIN ALEXANDER, B.SC. (*Edin.*)	14, Finkle Street, Kendal.
HOGGARTH, ARTHUR	Kendal.
HOGGARTH, LAWRENCE STEELE ..	St. Abbs, Kendal.
PORTER, RICHARD EWHURST, M.C.	Rydal Estate Office, Ambleside.
***PUNCHARD, FREDERICK BURT** ..	Fairbank, Kirkby Lonsdale.

PROFESSIONAL ASSOCIATE.

ADAIR, WILLIAM	c/o F. B. Punchard, Underley Estate Office, Kirkby Lonsdale.
GIBSON, WILLIAM GARNETT	The Bungalow, Windermere.
HARDY, ALAN	Gilling Keane, Kendal.
JACKSON, EDWARD HENRY	Rearsby, Windermere.
MCVEY, WILLIAM JAMES	Upper Oak Street, Windermere.
VANSTONE, FREDERICK WILLIAM ELLIOTT	Council Offices, Windermere.

PROBATIONER:

ROWLING, MAURICE	Beechwood, Kendal.

WILTSHIRE (Northern Part).

(Gloucester, Somerset, and North Wilts Branch.)

FELLOWS:

Culverwell, George Lane ..	14, Market Place, Chippenham.
Daykin, Harry	"Elmsley," Trowle, Trowbridge.
Ferris, George	Milton Manor, Pewsey.
Hooper, Alfred Egbert ..	10, High Street, Marlborough.
Jeans, Mark	Marlborough.
Llewellyn, Arthur Henry ..	Valuation Department, 1R, Castle House, Trowbridge.
Marshall, Lionel Hasler ..	Chippenham.
Parker, the Hon. Cecil Thomas	The Grove, Corsham.
Puckridge, Percival Martin	Milton Pewsey.
Smith, Cyril Herbert	Chilvester Hill House, Calne.
Watkins, Robert Arundel ..	Castle Combe, Chippenham.
Whitfield, Thomas Ward ..	Polebarn House, Trowbridge.

PROFESSIONAL ASSOCIATES.

Bateman, William Herbert, Capt., M.C., A.M.I.C.E.	Beaumont, Calne.
Brown, Percival Wilsdon ..	The Homestead, Burnham Road, Malmesbury.
Cutler, Frank Sydney	Borough Surveyor's Department, Town Hall, Marlborough.
Ellis, Thomas Gwynne	The West Bungalow, Holt, Trowbridge.
Gard, Ernest John	72, London Road, Calne.
Hutton, George Roy	Woodrow House, Forest, Melksham.
Lees, Randle Burslam	Woodside, Bradford-on-Avon.
Mann, Dudley Septimus	Roads Office, Codford.
Pearson, George Parker ..	Estate Office, Grittleton, Chippenham.
Snailum, Walter Wadman ..	Church Street, and Wingfield Road, Trowbridge.
Stevens, Herbert Cooper ..	6, Barn Street, Marlborough.
Watson, Charles William ..	39, Clarendon Road, Trowbridge.

ASSOCIATE:

Yeatman-Biggs, William Huyshe	The Estate Office, Codford, S.O.

PROBATIONER:

Down, Ernest Augustus ..	Hodson House, Swindon.

STUDENT:

Renfrew, Colin	14, Market Place, Chippenham.

WILTSHIRE (Southern Part).

(Hampshire, Dorset, and South Wilts Branch.)

FELLOWS:

Corderoy, Athelstone	The Old Manor, Salisbury.
*Gater, Caleb William	The Grange, Winterbourne, Dauntsey, Salisbury.
Pratt, Jermyn Harold	Estate Office, St. Giles, Salisbury.
*Rawlence, Ernest Alfred ..	St Andrew's, Churchfield, Salisbury.
*Rawlence, George Norman ..	c/o Rawlence and Squarey, Salisbury.
Rigden, Francis	Salisbury.
Short, Ernest William George, Major, C.B.E., F.R.I.B.A.,S.R.E.S.	R.E. Office, Bulford Camp, Salisbury Plain.
*Squarey, Newell William Pitts	Bemerton, Salisbury.
Woolley, John Stanley.. ..	The Castle Auction Mart, Salisbury.
*Woolley, John Turton	The Castle Auction Mart, Salisbury.
Woolley, Richard Melsome ..	Salisbury.

PROFESSIONAL ASSOCIATES:

Davenport, Gilbert Capell ..	Damerham, Salisbury.
Eyre-Matcham, John St. Leger	Newhouse, Redlynch.
Fullford, Charles George, M.S.A.	47, Castle Street, Salisbury.
Jeffrey, Rufus à Barrow ..	Don Head, near Salisbury.
Miles, Hannam Edward	Slades, East Knoyle, Salisbury.
Palmour, Frederick John Clifford	War Dept., Estate Office, Durrington
Turnbull, Robert Ernest.. ..	Wilton Estate Office, Salisbury.

ASSOCIATE:

Thompson, Leo Anthony ..	Ministry of Agriculture, 55, Catherine Street, Salisbury.

PROBATIONER:

Larkam, Reginald William ..	3, Endless Street, Salisbury.

STUDENT:

Fox, John St. Vigor	21, London Road, Salisbury.

WORCESTERSHIRE.

(Warwick and Worcester Branch.)

FELLOWS:

ALLSEBROOK, ARTHUR, B.SC. (*Edin.*)	Link Elm, Malvern Link.
BARKER, CHARLES	Estate Office, Bournville
BLOOMER, JOSIAH	19, Priory Street, Dudley.
CHALLIS, FRANK GORDON	Valuation Office, Wells Road, Malvern.
CHAMBERLAIN, GEORGE ARTHUR RADDON	Whitegates, Enville, near Stourbridge.
CRISP, GEORGE FREDERICK.. ..	Valuation Office, Wells Road, Malvern.
DALLEY, REGINALD ARTHUR ..	The Cedars, Kidderminster.
EDMONDS, JOHN NITCHELL	Wood Farm, Malvern Wells, and Worcester Chambers, Pierpoint Street, Worcester.
FIDDIAN, WILLIAM	7, Church Street, Stourbridge.
GROVE, ALBERT	2, Parkfield Terrace, Stourbridge.
JOHNSON, CLIFFORD NOEL	19, Priory Street, Dudley.
JOSELAND, CHARLES	Bank Buildings, Kidderminster.
LANDER, SIDNEY MONTEM, M.B.E.	Valuer's Office, 3, Sansome Place, Worcester.
LANGFORD, EDWARD THOMAS ..	Post Office Buildings, Kidderminster.
MILLS, ARTHUR CORFE	Messrs. Deacon, 47, Foregate Street, Worcester.
MITCHELL, HAROLD HASTINGS ..	107, Malvern Road, Worcester.
O'DONAHUE, THOMAS ALOYSIUS	Medhurst, Worcester Road, Malvern.
PEARSON, WILLIAM..	10. Grange Road, Dudley.
REES, DAN JOHN ARTHUR.. ..	Cofton, Barnt Green.
RIGHTON, EDWARD GRANTHAM ..	High Street, Evesham.
STALLARD, WILLIAM	St. John's House, St. John's, Worcester, and Worcester Chambers, Worcester.
WALL, JOHN ERNEST	Northcote, Alexandra Road, Malvern.
*WYLEY, HENRY JAMES	"Abbeycote," Pershore.

PROFESSIONAL ASSOCIATES

BARRATT, HARRY	Hill View, Corser Street, Stourbridge.
BROWNE, ELLIS GEOFFREY ..	47, Foregate Street, Worcester.
BUCK, EDWARD MARTIN, M.C. ..	29, Droitwich Road, Worcester.
BURFORD, JAMES ALFRED HEATH	Surveyor's Office, Bromsgrove.
CHARLES, MICHAEL THOMAS.. ..	Orchardside, Malvern Link.
COOKE, RICHARD THOMAS	4, Hilltop Villas, Rockhill, Bromsgrove.
DAVIES, SIDNEY	10, Vicarage Road, Amblecote, Stourbridge.
DOORBAR, BERTRAM ARNOLD ..	Beacon View, West Malvern.

Elkington, Christopher Garrett	Mortimer House, Farfield, Kidderminster.
Greenway, William Astbury	Red Hall Road, Lower Gornal, near Dudley.
Harlow, William Wyatt Ridgway, A.M.I.C.E.	Orsett House, Birmingham Road, Kidderminster.
Harris, Samuel	Arley Castle, Bewdley.
Hickson, Francis Vincent ..	47, Foregate Street, Worcester.
Ingman, George Edgar	47, Foregate Street, Worcester.
Ivens, Frederic Westley ..	The Poplars, Sutton Park Road, Kidderminster.
Newbigging, Robert Gerald Hustler	22, Foregate Street, Worcester.
Nichols, Hedley William ..	3, Sansome Place, Worcester.
Webb, Roland Drury..	17, Albany Terrace, Worcester.

ASSOCIATE:

Bund, John W. Willis, C.B.E. ..	Shire Hall, Worcester.

PROBATIONERS:

Joseland, Leonard	High Croft, Kidderminster.
Longmore, Bernard George ..	10, Birmingham Road, Kidderminster.
Phelps, Basil Llewellyn ..	The Heath, Stourbridge.

STUDENT:

Salmon, Ronald	The Oaks, Plymouth Road, Barnt Green.

YORKSHIRE.

(Yorkshire Branch.)

FELLOWS:

*Abbott, Robert Thomas G. ..	Whitley House, Malton.
Allison, Herbert William ..	6, Albion Street, Hull.
Almond, William John	6, Albion Street, Hull.
Armstrong, Albert Leslie.. ..	14, Swaledale Road, Sheffield.
Bailey, Louis Hewitt	4, Eaton Road, Ilkley.
Balden, William Reginald ..	Bywell, Leeds Road, Dewsbury.
Bell, Henry Brown	62, Woodhouse Lane, Leeds.
Billingham, John Alfred Lawrence, Lieut.-Col.	R.E. Offices, York.

BILSON, JOHN, F.R.I.B.A.	23, Parliament Street, Hull.
BOORD, WALTER BERTRAM ..	Bewerley, Pateley Bridge.
BOOTH, HERBERT	Valuation Office, Inland Revenue, Huddersfield.
BRADSHAW, HUBERT	29, Manor Row, Bradford.
BRAMLEY, FRANCIS HERBERT ..	The White Building, Fitzalan Square, Sheffield.
BROADBENT, WILLIAM	Hopwood, Horsforth, near Leeds.
BROCKLEBANK, JOHN	Todmorden.
BURMAN, WILLIAM	Estate Office, Kiveton Park, near Sheffield.
BUTLER, CHARLES	Union Offices, Queen Street South, Huddersfield.
CARTER, DAVID CHAMBERLAIN ...	Cogan Chambers, Bowlalley Lane, Hull.
CHILDE, HENRY SLADE	Wakefield.
CLARKE, CHRISTOPHER	The Hermitage, Bedale.
CLEGG, HERBERT	Stonebank, Westville Road, Ilkley.
COSTELLO, JOSEPH	43, Westbourne Grove, Middlesbrough.
COVERDALE, HENRY	The Duke of Norfolk's Estate Office, Sheffield.
*COX, EDWARD SAMUEL	3, New Street, York.
CRABTREE, PERCY	Valuation Office, Inland Revenue, Huddersfield.
DEMETRIADI, THOMAS MARSDEN ..	53, Spinkfield Road, Birkby, Huddersfield.
DENTON, WILLIAM	Montgomery Chambers, Hartshead, Sheffield.
DOCKSEY, SYDNEY BATEMAN ..	175, Highgate, Heaton, Bradford.
DOUGLAS, ARTHUR HUGH	Cortworth House, Wentworth, Rotherham.
DOUGLAS, NORMAN	26, Albert Road, Middlesbrough.
DUNN, EDWARD JONATHAN ..	Valuation Office, Midland Bank Chambers, Albert Road, Middlesbrough.
ECKERSLEY, FRANK, O.B.E... ..	9, Kenilworth Avenue, Harrogate.
EVANS, WILLIAM, A.M.I.C.E	New Walk, Beverley.
FENTON, FRANK	South View, Addingham, Ilkley.
FENWICK, CHARLES RICHARD, M.I.C.E.	26, Park Row, Leeds.
FLEW, JOHN	Tyrell Street Chambers, 55, Tyrell Street, Bradford.
FORBES, CHARLES MANSFELDT ..	14, New Street, York.
FOWLER, REGINALD WILLIAM ..	3, Hartshead, Sheffield.
*FOX, CHARLES EDWARD	7, Rawson Street, Halifax.
FOX, CHARLES HORACE, LT.-COL., O.B.E., B.SC., M.I.Struct.E.	7, Rawson Street, Halifax.
*FOX, CHARLES JAMES	7, Rawson Street, Halifax.
GALLETLY, WILLIAM HALDANE ..	Greenside, Walton, near Wakefield.
GELDER, SIR WILLIAM ALFRED, F.R.I.B.A.	120, Alfred Gelder Street, Hull.

*Gott, Charles Henry, m.i.c.e.	Valuation Office, 29, Manor Row, Bradford.
Greaves, Percy Christian	Wakefield.
Green, Joseph Alexander ..	Manor Terrace, Eckington, near Sheffield.
Hale, Harry Barnes	Ian House, Scotland Lane, Horsforth.
Hammond, Edmund Bland ..	66, St. Mary's Road, Manningham, Bradford.
*Hanson, John Henry, m.i.c.e...	11, Cloth Hall Street, Huddersfield.
Hawes, Frederick Kirk ..	The Elms, Lowthorpe.
Heath, John Lionel	7, Clifford Road, Sharrow, Sheffield.
Hebblethwaite, Charles Henry	41, Commercial Road, Halifax.
Hebblethwaite, Louis..	Custom House Buildings, Whitefriargate, Hull. .
Hepper, Edward Raymond ..	Woodcote, Wood Lane, Headingley, Leeds.
Hepworth, Herbert Raikes, a.m.i.c.e.	County Surveyors' Office, Wakefield.
Hewitt, Frank	R.D.C. Offices, Kiveton Park, near Sheffield.
Hine, Stanley Gordon	c/o Superintending Valuer, 29, Manor Row, Bradford.
Hollis, Arthur	3, Park Place, Leeds.
Holmes, Howard Marshall, Capt., m.c.	16, St. James' Street, Sheffield.
*Horsfall, Richard Edgar ..	22a, Commercial Street, Halifax.
Howe, Clarence Shaw Thornton	21, Bond Street, Leeds.
Howe, Thomas Thornton	Olive Mount, Bramley Hill, Kirkstall.
Johnson, Arthur William ..	District Valuer's Office, 23, Victoria Avenue, Harrogate.
Kaye, Herbert	Valuation Office, Inland Revenue, Prudential Buildings, Westgate, Wakefield.
Kelly, John George	Roseneath, Totley Rise, Sheffield.
Kennedy, Percy Edward ..	16, Valley Bridge Parade, Scarborough.
Leather, William Beaumont ..	21, Burton Crescent, Headingley, Leeds.
Lofthouse, Albert Wilson ..	Woodcrott, Marton, S.O., and 129, Albert Road, Middlesbrough.
Lord, Frederick William ..	District Valuer's Office, The Old Skating Rink, Doncaster.
Maddock, George	10, Harrison Road, Halifax.
Marshall, Peter	The Hollies, Handsworth, Sheffield.
*Massie, Frank, m.i.c.e.	Tetley House, Kirkgate, Wakefield.
Morley, Eric, a.r.i.b.a.	14, Park Drive, Bradford.
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Oldham, James	The Estate Agent, North Eastern Area, L. & N.E. Rly., York.

OSBORN, GEORGE	Oakhill House, Parker's Road, Sheffield
PETCH, JOHN STONEHOUSE	Estate Office, Wentworth Castle, Barnsley.
PINCKNEY, HENRY CHRISTOPHER	Furness Estate Office, Grantley, Ripon.
READ, KENMUIR HARRY, A.R.I.B.A.	Army Educational Corps, Building Section, Army Vocational Training Centre. Catterick Camp.
RENTON, THEODORE ROLANDE VICTOR	16, Albert Street, Harrogate.
RHODES, HENRY	Lane End House, Rotherham.
RICHARDSON, JOHN STOCKS.. ..	Estate Office, Methley, Leeds.
SANDFORD, CHARLES SIDNEY ..	St. James Street, Sheffield.
SCHOFIELD, ALFRED	District Valuer's Office, The Old Skating Rink, Doncaster.
SHARP, HERBERT FIRTH	1, Brigg's Villas, Queensbury, Bradford.
SHAW, CHARLES WILLIAM	Church Street Chambers, Dewsbury.
*SILCOCK, EDWARD JOHN, M.I.C.E...	10, Park Row, Leeds.
SISSONS, WILLIAM WYRILL ..	Waterloo Manor, Garforth, Leeds.
SMITH, ARTHUR TELFORD	15, Cheapside, Bradford.
SPICER, ARTHUR CHARLES ..	Valuation Office, 16, Valley Bridge Road, Scarborough.
STEVENS, WILMOT DRIFFIELD ..	Land Valuation Department, 16, Valley Bridge Parade, Scarborough.
SUDDARDS, FRANK	Exchange Buildings, Skipton-in-Craven.
SUTHERS, JAMES	Union Offices, Hull Street, Todmorden.
SYKES, WILFRED ELSWORTH.. ..	"Ashfield," Hessle, near Hull.
THORP, ROBERT HAYTON	Land of Green Ginger, Hull.
TINKER, HAROLD	5, Imperial Arcade, Huddersfield.
TODD, WILLIAM HENRY, M.I.C.E. ..	County Buildings, Hull.
WALSH, JOSEPH FREDERICK	Museum Chambers, Halifax.
*WATSON, HERBERT JOHN	6, Lendal, York.
WATSON, JOHN, M.B.E.	Cogan Chambers, Bowlalley Lane, Hull.
*WATSON, JOHN, M.B.E.	Valuation Office, W. Riding Division, 29, Manor Row, Bradford.
WEATHERHEAD, DAVID WILKINSON	Lowlands, Utley, Keighley.
WEATHERILL, GEORGE FORD	Valuation Office, Victoria Avenue, Harrogate.
WEST, ARTHUR SMITH..	7, Haywra Crescent, Harrogate.
*WHELDON, MARTIN LOWISH.. ..	5, Coney Street, York.
WHIPP, THOMAS WILLIAM	15, Valley Bridge Parade, Scarborough.
WINDER, FRANCIS ARNOLD	Corn Exchange Chambers, Sheffield.
YOUNG, JAMES..	62, Market Street, Bradford.
YOUNG, HERBERT OSWALD.. ..	District Valuer's Office, Greek Street Chambers, Park Road, Leeds.

PROFESSIONAL ASSOCIATES:

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ANNAKIN, ARTHUR BERTIE	Cave Holme, Well Royd Crescent, Halifax.
ARCHER, HAROLD DE BYRLAY ..	16, St. James Street, Sheffield.
ATKINSON, CHARLES CHRISTOPHER	The Mount, Kirkgate, Knaresborough.
BAILEY, ALFRED HORACE	29, Springfield Avenue, Lidgett Green, Bradford.
BALDEN, JOHN WHITELEY	Lowfield, Woodkirk, Dewsbury.
BARRETT, ALLAN	The Avenue, Scholes, near Leeds.
BARRETT, ROBIN COVENTRY ..	Skipton Castle, Skipton.
BASTABLE, JOHN DANIEL ..	"St. Aubyns," Cheltenham Mount, Harrogate.
BEEVER, ROWLAND	13, The Boulevard, Hull.
BEILBY, ROBERT BUXTON ..	14, George Street, Sandal, Wakefield.
BELLAMY, HARRY	Threlkeld, Chelmsford Road, Harrogate.
BESANT, HUBERT SAXTON	2, West Terrace, Richmond.
BINKS, FRANK	11, Athlone Terrace, Armley, Leeds.
BLACK, ERNEST	13, Rosslyn, Pasture Road, Roundhay Road, Leeds.
BLANCHARD, LOUIS MATTHEW ..	Council Offices, Whitby.
BOOTH, HAROLD ALMGILL	5, Lime Avenue, Heworth, York.
BRADLEY, CECIL GUSTAV, LT.-COL., D.S.O.	Baronscroft, Bridlington.
BRADSHAW, HAROLD CLAUD ..	Ministry of Agriculture, Room No. 7, 1, Park Place, Leeds.
BRAMELD, HENRY CRESWICK WILSON	130, William Street, Sheffield.
BRAY, EDWIN	Town Street, Stanningley, Leeds.
BRIGG, JOHN HAGGAS	Southburn, Driffield.
BROADHEAD, CHARLES ALFRED ..	Architects' Department, St. George's Hall, Rotherham.
BROWN, CLIFFORD	Albion House, Hall Cross, Doncaster.
BYRON, EDMUND MOORE	c/o E. Cox, Esq., Beechlands, York.
CALVERLEY, GEORGE	1, West View, Newton Hill, near Wakefield.
CARPENTER, GEORGE THOMAS, M.C., A.M.I.C.E.	W. Riding Surveyor's Department, County Hall, Wakefield.
CHAMBERS, JOHN FRANCIS	4, Belgravia, Goole.
CHAMPION, WILLIAM HALL	Woodville, Pitsmoor, Sheffield.
CHEESEMAN, GEORGE	6, Hawkeswood Crescent, Kirksall, Leeds.
CHERRY, ALBERT EDWIN	12, Alma Terrace, Fulford Road, York.
COOKE-YARBOROUGH, ORFEUR FREDERIC	Wensley House, Leyburn.
COOPER, ALAN BERTRAM	Borough Surveyor's Office, Brighouse.
COX, WILLIAM DOUGLAS	24, Lothian Road, Middlesbrough.
CROSSLAND, HARRY EWART ..	30, Highgate, Beverley.

CUMBERLAND, STEPHEN	Surveyor's Department, County Hall, Wakefield.
DEAN, SAM	Council Offices, Hipperholme, Halifax.
DENTON, ARTHUR SMITH	Revelstoke, Brincliffe Crescent, Sheffield.
DENTON, HERBERT	Branksome, S. Hiendley, Barnsley.
DODDS, PERCY	Northlands, Stockton Lane, York.
DYER, FRANK, F.R.I.B.A.	42, Marlborough Road, Shipley.
DYER, FREDERICK	Davyhall Chambers, Davygate, York.
EDWARDS, EUSTACE HERBERT ..	4, Crow Tree Lane, Daisy Hill, Bradford.
EXLEY-FISHER, THOMAS	Glenroyd, Dymond Road, Heckmondwike.
FAWCETT, KENNETH MORTIMER ..	26, Albion Street, Leeds.
FERREY, GERALD COLSTON	34A, Coney Street, York.
FIELDING, ARTHUR EDWARD BRUCE	Littlethorpe Manor, Ripon.
FIRTH, WILLIAM JAMES, A.M.I.C.E.	5, Shaftesbury Avenue, Street Lane, Roundhay, Leeds.
FOX, HAROLD LANE	26, East Park Road, Harrogate.
GRABHAM, STANLEY	113, Oxford Road, Linthorpe, Middlesbrough.
GREEN, HAROLD	Charnwood, Cornwall Road, Harrogate.
GREENWOOD, JOSEPH	West Banks, Riddlesden, nr. Keighley.
HALL, FREDERICK WALTER ..	Olliver, Richmond.
HALL, HAROLD LONDESBOROUGH..	Studholme, Healey, Batley.
HALL, HERBERT GEORGE RHÔNE, CAPTAIN	26. Houghly Grove, Armley, Leeds.
HALL, RICHARD LESLIE CARBY ..	Church House, Roundhay, Leeds.
HAMMOND, JOHN BERNARD.. ..	8, Bennett Road, Headingley, Leeds.
HANKINSON, HAROLD	46, Parson Cross Road, Wadsley Bridge, Sheffield.
HARRISON, NORMAN SIMONS ..	The Elms. Brierly, near Barnsley.
HEATON, JOHN JOSEPH	2, Baildon Hall, Baildon, Bradford.
HIRST, WILLIAM FREDERICK ..	Claremont, Rothwell, near Leeds.
HOLLIS, RALPH	Springfield, Skirlaugh, Hull.
HOLMES, JOHN STANLEY GARTSIDE	Borough Engineer's Office, Dewsbury.
HOPPER, GEORGE..	1, Prospect Street, Bridlington.
HOSKING, HAROLD ARTHUR ..	County Council Depot, Aerodrome, Doncaster.
HOULDSWORTH, AUSTIN FRANK ..	20, Savile Street, Hull.
HOYLE, HENRY ARMITAGE	176, Birkby Hall Road, Huddersfield.
HUMPHRIES, JOHN BUCKLE	8, St. Margaret's Road, Bradford.
INGHAM, CHARLES RUSSELL ..	Estate Office, Dalton Holme, Beverley.
INGLEBY, ERNEST JAMES, N.D.A...	Aark Hill, King's Road, Ilkley.
JACKSON, THOMAS HORNSBY.. ..	Lshfield, Guiseley Road, Horsforth, Leeds.
JACKSON, WILLIAM MARTIN.. ..	Normandale, Bradford Road, Wakefield.
JOHNSON, FITZROY EDWARD ..	38, Skipton Road, Ilkley.

JONES, ELLIS	48, Scarcroft Road, York.
JOWETT, HENRY SAVILE..	Valuation Department, Inland Revenue, Huddersfield.
KEKEWICH, STANLEY BUCK ..	15, St. Mary's, Bootham, York.
KENYON, HAROLD DUMELLO ..	7, De Grey Street, York.
KERR, ARTHUR HERBERT	Lyndhurst, Malton.
KIFT, GEORGE ANSLEY	Abbey House, Selby.
LEDGARD, JOHN BROOKE	The Manor House, Thorner, Leeds.
LEE, FRANK	c/o Borough Engineer's Office, Halifax.
LUNN, ALGERNON PERCY	Wentbridge, Pontefract.
LYNAM, WILLIAM THOMAS, A.M.I.C.E.	Surveyor's Dept., Union Offices, Hemsworth, Wakefield.
MCMAHON, WILLIAM PATRICK	Clyde House, Richmond.
MALLINSON, CHARLES HERBERT ..	Market Place, Huddersfield.
MARRIOTT, WILLIAM MASON.. ..	Hopton Grange, Mirfield.
MARSHALL, GEORGE ERNEST ..	76, Airedale Road, Wadsley.
MAUGHAN, JOHN	Estate Office, Jervaulx Abbey, Middleham, S.O.
MELLOR, JOHN FRANCIS SHAW ..	The Cottage, Brodsworth, Doncaster.
MORLEY, RICHARD	8, Oakdale Road, Sheffield.
MORRIS, HUBERT LLOYD	4, Howard Street, Sheffield.
MORWOOD, ARTHUR	31, St. Mary's Road, Doncaster.
NEAL, WALTER BOUGHTON	Inland Revenue (C District), 4, Howard Street, Sheffield.
NORMANTON, JOE	Glen View, Ripponden.
OLIVER, EDWIN HAMERTON ..	Gisborough Estate Office, Gisborough.
PAGE, JOSEPH	38, St. Ives Mount, Upper Armley, Leeds.
PASCOE, HERBERT	5, Scholemoor Avenue, Clayton Road, Bradford.
PEXTON, FREDERICK WILLIAM	76, Savile Road, Savile Town, Dewsbury.
POOLE, SAMUEL HENRY	44, Gordon Street, Scarborough.
RAWSTRON, CHARLES OLIVER ..	Surveyor's Office, Imperial Buildings, Rotherham.
RICCOMINI, JAMES ARTHUR ..	County Hall, West Riding Surveyor's Dept., Wakefield.
RICHARDSON, GEORGE	86, Lothian Road, Grove Hill, Middlesbrough.
RIDDLE, WILFRID PATTERSON ..	Guildhall, Hull.
RODGERS, JOHN HERBERT MARSHALL	St. Ann's Lodge, St. Ann's Lane, Headingley, Leeds.
ROWE, WATSON	180, Halifax Road, Hove Edge, Lightcliffe, near Halifax.
RUTHERFORD, ALEXANDER KIRKWOOD	Dalton Vicarage, Rathubarn.
SHAW, ARTHUR	Ramsden Estate Offices, Railway Street, Huddersfield.
SHAW, LEONARD	Thorncliffe, Staincliffe, Batley.

Simmons, George Herbert.. ..	10, High Street, Doncaster.
Singleton, James Neil	Stocksbridge, near Sheffield.
Sladdin, Arnold Gladstone ..	Hove Edge, Lightcliffe.
Slater, Arthur James	11, St. Ives Mount, Armley, Leeds.
Smith, Harry.	42, Devonshire Street, Keighley.
Smith, John Edward	Shipley Fields, Frizinghall, Bradford.
Smith, Percival	St. Mary's, Minskip, Boroughbridge.
Staniland, Douglas Lenton ..	11A, High Street, Doncaster.
Stott, Herbert Wharton ..	9, Bay Hall, Huddersfield.
Sugden, Albert Jowett	Ingleroyd, Bradford Road, Wakefield.
Tack, Arthur William	27, Midland Terrace, East Avenue, Keighley.
Tate, Henry Tindall	County Hall, Beverley.
Teasdale, Thomas Moffatt ..	Quantity Surveyor's Dept., County Hall, Wakefield.
Terry, Francis William	Low Royd, St. Olave's Road, York.
Thompson, Claude William George Hugh	Estate Office, Escrick, York.
Thompson, Thomas Errington ..	Estate Office, Swarcliffe, Birstwith.
Thompson, Thomas, Jun. ..	Red House, Methley, near Leeds.
Todd, George Wilfred Addison	c/o Messrs. Todd & Thorp, Land of Green Ginger, Hull.
Turner, Vincent	Town Hall, Rotherham.
Wade, Henry..	10, Pitt Street, Barnsley.
Wade, William Bertram	The Hawthorns, Garforth, near Leeds.
Wadsley, Michael James	27, Dover Street, Hull.
Walker, Cyril Herbert.. ..	138, Ash Road, Headingley.
Walker, Vincent Stanley.. ..	The Mart, Albion Place, Leeds, and West Royd, Outwood Lane, Horsforth.
Wall, Irving	Ivydene, New North Road, Huddersfield.
Whiteley, Robert Henry.. ..	Whitwood Hall, Normanton.
Whittingham, Robert Cecil, N.D.A.	2, Zetland Terrace, Norton, Malton.
Wilkinson, Fred. A.R.I.B.A. ..	162, Long Lee, Keighley.
Wilkinson, William Henry ..	Ivy Bank, Swires Road, Halifax.
Wilson, Bertram	Windyridge, Tadcaster.
Wilson, Gerald Herbert	Ellinthorp Hall, Boroughbridge.
Woods, Henry Edward Anzani	Revenue Chambers, Bradford.
Wright, John	33, St. Paul's Square, York.
Young, James Weir	Estate Office, Bishop Burton, Beverley.

PROBATIONERS :

Adams, Alfred Charles	22, Midland Street, Huddersfield.
Allport, Cyril Howard	Menagerie Farm, Escrick, York.
Arundel. Hugh Rivers	35, Gawthorpe, Selby.
Birkhead, Frank Radcliffe ..	Borough Engineer's Office, Halifax.
Dent, Norman	c/o Mr. J. Wetherell, 47, Frenchgate, Richmond.

Fisher, John James	77, Cecil Street, Hull.
Hepper, Alan Bedford	Woodcote, Wood Lane, Headingle Leeds.
Johnston, James Carruthers	14, Winfield Road, Blackman Lan Leeds.
Middleton, Walter	87, Park Road, Bingley.
Pepper, Walter	Cleveland Place, Hebden Bridge.
Rittener, Gerald	Mossville, Gledholt, Huddersfield.
Ullathorne, Thomas Edwin ..	Millgate, Selby.
Webb, William	8, Park Place, Huntingdon Road York.
Wetherell, John Robertson ...	47, Frenchgate, Richmond.
Wilks, Geoffrey Stacey ..	Post Office, Eckington, near Sheffield
Windross, Norman Cyril ..	Yorkshire Insurance Buildings, Lo gate, Hull.
Wood, Norman Chapman	Clydeville, Otley.

STUDENTS:

Chapman, John Hector Clarke	10, Belgrave Crescent, Scarborough.
Clarke, George Stirk	90, Kirkgate, Wakefield.
Duggleby, James Ronald ..	62, Mayfield Street, Hull.
Kitchen, Eric Douglas	Sandfield, Sandhill Lane, Moortow Leeds.
Lawrence-Law, Charles Farmery	6, Lendal, York.
Oldfield, Jack	Rydal House, Stonefield Street, Dewsbury.
Potter, John Maxwell	8, Oxford Terrace, Carlin How, ne Saltburn.
Pye, Alma	401, Shoreham Street, Sheffield.
Tomlinson, William	4, Hilda Place, Saltburn.
Watson, John Alexander ..	Brackenhill, St. George's Place, Yo
White, Fred Louis	School House, Saltburn-by-the-Sea.

WALES (North).

Containing the Counties of Anglesey, Carnarvon, Denbigh, Flintshire, and Merionethshire.

(Wales (North) Branch.)

FELLOWS:

*Birch, Richard Elwyn, B.A. (*Cantab.*)	Brynasaph, St. Asaph, Flintshire.
Cragg, George Edwin..	Cayley Estate Office, Colwyn Bay, De bighshire.

Dykins, Philip Llewelyn	Geoddi Beuno, Holywell, Flintshire.
*Evans, David	Valuer's Office, 10 & 12, Market Street, Carnarvon.
Hardcastle, Donald Alderson	Estate Office, Pwllheli.
Jones, Edward Lloyd..	Plas-Isa, Rhosymedre, Ruabon, Denbighshire.
Jones, William Edward	Anglesey Estate Office, Graig, Llanfairpwll, Anglesey.
Lewis, Penry Arthur , ...	Government Buildings, Bangor.
More, William Henry..	Crown Lodge, Harlech.
Parker, George	Pulford, near Wrexham.
*Porter, John Merry	Estate Office, Colwyn Bay.
Roberts, John, n.d.a.	Maestegfryn, Towyn, Merionethshire.
Thorpe, Christopher	8, Deganwy Avenue, Llandudno.
Webb, Clarence Albert	District Valuer's Office, Duke Street, Wrexham.
Williams, David John	Ty Newydd, Garn Dolbenmaen, Carnarvonshire.
Williams, Joseph	10 & 12, Market Street, Carnarvon.
Yale, George Frederick Cunningham	Estate Office, Pwllheli.

PROFESSIONAL ASSOCIATES:

Ap Thomas, Robert Tibbot Kerris	Trevon, Beaumaris, Anglesey, N. Wales.
Boardman, Harold William	Barmouth U.D.C., Barmouth.
Cathrall, Leonard Gwilt ..	18, Clwyel Street, Rhyl.
Edwards, David Edward ..	9, Talbot Road, Wrexham.
Hughes, Wiliam Parry	Avondale, Menai Bridge, Anglesey.
Jones, Oscar Wynne	Minydon, Pwllheli.
Jones, Roland Thomas	Bryn Myfyr, College Road, Bangor.
More, John Novis..	Crown Lodge, Harlech.
Moseley, Leonard	2, Rhiw Bank Terrace, Colwyn Bay.
Owen, Henry Thomas..	Ripon House, Barmouth.
Owen, Thomas	County Surveyor, County Offices, Carnarvon.
Parker, Harold Vincent ..	8, Temple Row, Wrexham.
Parker, Robert, Capt., m.c. ..	Mostyn Estate Office, Llandudno.
Parry, David Morris	Gwynfryn, Pwllheli.
Rogers, Matthew Spencer ..	County Surveyor's Office, Eastern Division, Wrexham.
Webb, Hugh Victor Carthorn	Nannan Estate Office, Dolgelly.
Whittingham, Lewis Stuart ..	Killarney, Butterton Road, Rhyl.
Williams, Morris Hughes.. ..	Islwyn, Glan Conway.

PROBATIONERS:

Eaton, Leslie	Chalet, Prestatyn.
Prichard, Richard Francis ..	Llwydiarth, Esgob, Llanerchymedd S.O., Anglesey.
Warburton, John Oldham ..	Bagillt Hall Farm, Holywell.

STUDENTS:

Davies, Robert Foulkes ..	3, Glan Aber, Dolwyddelen, Carnarvonshire.
Hughes, John	Ty'n-y-Caeau, Llanrwst.
Price, David Rhys	Gwynfryn, High Street, Penygroes Carnarvonshire.

WALES (Mid).

Containing the Counties of Montgomery and Radnor.
(Salop, Hereford, and Mid-Wales Branch.)

FELLOWS:

*Edmonds, John	Estate Office, Powis Castle, Welshpool Montgomeryshire.
Evans, Edward Arthur, B.Sc., A.M.I.C.E.	County Surveyor's Office, Welshpool.
Grant, James..	Glandwr, Llanidloes, Montgomeryshire.
Gunter, James	Estate Office, Glasbury, Radnorshire.
Morris, Clifford	Elmhurst, Welshpool, Montgomeryshire
Morris, Edward Henry.. ..	Elmhurst, Welshpool, Mongtomeryshire
Richards, John	Llwyndern, Welshpool, Montgomeryshire.

PROFESSIONAL ASSOCIATES:

Evans, William Maurice ..	Parkdale, Berriew Road, Welshpool Montgomeryshire.
Howard, Edward Humphrey	Fronheulog, The Belan, Welshpool.
Jones, Evan Robert Puleston	3, Greenfields, Welshpool, Montgomeryshire.
Lloyd, Frank Humphreys ..	Mansion House, 24, Severn Street, Welshpool.
Mackintosh, William Smith ..	Baileymawr, Penybont, Radnorshire.
Roberts, John Meirion	24, Severn Street, Welshpool, Montgomeryshire.

STUDENTS:

Morris, John Francis	Black Hall, Kerry, Montgomeryshire.
Sheppard, William Hutchings	The Bank, Welshpool.

WALES (SOUTH).

Containing the Counties of Brecknock, Cardigan, Carmarthen, Glamorgan, and Pembroke.

(Wales (South) and Monmouthshire Branch.)

FELLOWS:

ARNOLD, WILLIAM RICHARD	276, Oxford Street, Swansea.
BENNETT, STEPHEN AUGUSTUS, A.M.I.C.E.	County Surveyor's Office, Newport, Mon.
BLOSSE, HENRY LYNCH	Worcester Chambers, Swansea.
BOWDEN-LYLE, HARRY JAMES ..	The Nook, Windsor Road, Abergavenny.
BOWEN, ALFRED JOHN	Surveyor's Dept., County Hall, Newport, Mon.
CHAPMAN, CHARLES ALBERT ..	101, Connaught Road, Roath Park, Cardiff.
*CORBETT, EDWIN WORTLEY MONTAGU	Bute Estate Office, Castle Street, Cardiff.
CUNDY, HENRY I.	55, Risca Road, Newport, Mon..
DAVID, EDMUND USSHER	4, Park Place, Cardiff.
DAVID, GEORGE WILLOUGHBY, B.A. (*Cantab.*)	11, Cathedral Road, Cardiff.
DAVID, LEWIS WOOLLEY, B.A. (*Cantab.*)	11, Cathedral Road, Cardiff.
DAVIES, BENJAMIN PRICE, M.S.A., A.I.Struct.E.	Surveyor of Works, City Hall, Cardiff.
DAVIES, CYRIL FROODVALE	Hafdre, Llanwrtyd Wells.
*DAVIES, DAVID THOMAS	33, Park Place, Cardiff.
DAVIES, JOHN WILLIAM SATTERLEY HUMPHREYS	Valuation Office, 23, Skinner Street, Newport, Mon.
DAVIES, JOHN SIMON	56, Morfa Street, Bridgend.
DICKSON, ALFRED ERIC, CAPT. ..	Depot, The Welsh Regiment, The Barracks, Cardiff.
*DRUMMOND, FRANCIS DUDLEY W., COL.	Carmarthen.
EAMES, HENRY PARSLOE	Pencraig, Caeran Crescent, Newport, Mon.
EVANS, ARTHUR OWEN	Dale Fort, Dale, Milford Haven.
EVANS, SAMUEL	Divisional Roads Engineer, M. of Transport, 18, Dumfries Place, Cardiff.
EVERY-CLAYTON, REGINALD ARTHUR ERIC	4, Oakfield Road, Newport, Mon.
FISHER, GATHORNE JOHN	Briarlea, Penygarn, Pontypool.
FORESTIER-WALKER, CHARLES EVELYN	31, Charles Street, Cardiff.
FRANCIS, JOHN, MAJOR, D.S.O.	The Mount, Carmarthen.
FRANK, THOMAS PEIRSON, A.M.I.C.E.	City Hall, Cardiff.

Griffiths, William Thomas ..	Uplands, Tygwyn Road, Penylan, Cardiff.
Hern, Samuel..	93, St. Mary Street, Cardiff.
Hews, Thomas Greenslade.. ..	The Laurels, Swansea.
Hinchsliff, Edward Robert, A.M.I.C.E.	West Wood, Romilly Park, Barry.
Hobbs, Francis	Estate Office, Monmouth.
Hughes, William Edwyn ..	Valuation Office, 7, King Street, Carmarthen.
Humphreys, John Henry	Castle House, Usk, Mon.
Jenkins, Charles Herbert Blewitt	3, Orchard Street, Neath, Glam.
Jenkins, Harold John	4, College Street, Swansea.
Jenkins, Trevellian Phillips, A.R.I.B.A., M.S.A.	St. Elmo, Uplands, Swansea.
Jenkins, William Lionel ..	Town Hall, Newport, Mon.
Jones, John Rice..	23, Skinner Street, Newport, Mon.
*Leeder, Ernest Holtham.. ..	46, Waterloo Street, Swansea.
Llewellyn, George Ernest ..	Bryngarw, Aberkenfig, Glam.
Morris-Davies, James George ..	Hafod Estate Office, Devil's Bridge S.O., Cardiganshire.
Osmond-Smith, Francis Henry George, M.R.A.C..	3, Palace Road Llandaff, Cardiff.
Parry, John Owen	61, College Street, Ammanford.
Pascoe, John Barron	7, Gower Street, and 56, Sketty Road, Swansea.
Powell, Frederick Atkinson, F.R.I.B.A.	Agincourt Square, Monmouth.
Pritchard, Herbert Alfred, M.B.E.	13, Fitzalan Place, Cardiff.
Puddicombe, William Phippen ..	Corporation Offices, Aberystwyth, Cardiganshire.
Pugh-Jones, David	County Architect, County Hall, Cardiff, and Colchester Avenue, Cardiff.
Randall, John Morgan	Dunraven Estate Office, Bridgend, Glam.
Randell, Francis William ..	Frondeg, Langland, Swansea.
Rees, Robert Thomas	Glandare, Aberdare, Glam.
Roberts, Edward Thomas ..	Llanfair Buildings, St. Mary Street, Swansea.
Roberts, John Hubert, Capt...	61, Wind Street, Swansea.
Samuel, William Wilfrid, F.G.S.	5, Beechwood Road, Swansea.
Scott, William Herbert	18, Queen Street, Cardiff.
Seel, Robert Harold	75, St. Mary Street, Cardiff.
Stantiall, Frederick Christopher	Borough Architect's Office, Swansea.
Stewart, Marshall Sophos ..	28, Fisher Street, Swansea.
Thomas, Arthur Lloyd	23, Gelliwastad Road, Pontypridd.
*Thomas, Illtyd	17, Quay Street, Cardiff.
Thomas, Robert Rogers	36, Bryn Road, Swansea.
Till, Tom Rymer	23, High Street, Chepstow, Mon.

VACHELL, THEODORE	Tredegar Chambers, Newport, Mon.
VAUGHAN, JAMES HENRY, A.R.I.B.A.	Metropolitan Bank Chambers, Newport, Mon.
WADE, GODFREY NEWTON ..	County Hall, Newport, Mon.
WALES, HENRY T.	Prudential Chambers, Castle Street, Swansea.
WALLACE, ANDREW LOGIE	19, Deri Road, Cardiff.
WARD, CHRISTOPHER JAMES ..	Cefn Mably Chambers, 9, Quay Street, Cardiff.
WARE, WILLIAM	6, Pembroke Terrace, Cardiff.
WATTS, DAVID CHRISTOPHER.. ..	West House, Cowgate, Glam.
WEEKS, ALFRED HENRY	35, Commercial Street, Newport, Mon.
WILLIAMS, GERALD GARNONS ..	Aberclydach, Talybont-on-Usk, Breconshire.
WILLIAMS, RICHARD ERNEST HAVARD	The Elms, Struet, Brecon.
WOOSNAM, RALPH WILLIAM ..	Tyn-y-graig, Builth Wells, Breconshire.

PROFESSIONAL ASSOCIATES:

ARTHUR, THOMAS BEVAN	7, Lammas Street, Carmarthen.
BENNETT, ARTHUR JOHN..	15, St. Helen's Crescent, Swansea.
BLOWEN, FREDERICK EDWARD VIVIAN, CAPT.	559, Chepstow Road, Newport, Mon.
BROAD, FREDERIC ARTHUR	3, Prospect Place, Swansea.
BROWN, EGERTON EDWARD MORRIS	89, Windsor Road, Penarth, Glam.
BUDGEN, EDWARD RAPLH ..	Heolgerrig, Abergavenny, Mon.
CARR, EDWIN	7, Herbert Street, Blaengam, Glam.
CARTER, CHARLES CROMWELL ..	The Cottage, Wenvoe, near Cardiff.
CLARK, PHILIP LOCKHART	28, Lochaker St., Roath Park, Cardiff.
CLARKE, THOMAS GUY	48, Cardiff Road, Llandaff.
COSSHAM, PHILIP RAYMOND ..	44, Sandringham Road, Roath Park, Cardiff.
COVER, GEORGE WILLIAM	Tirbâch, Cwm Taff, near Merthyr Tydvil.
DAVIES, HARRY TUDOR	43, Heoldon, Whitchurch, Glamorganshire.
DAVIES, JOHN LEWIS	Hazelhurst, Acland Road, Bridgend, Glam.
DAVIES, JOHN LLEWELLYN	Architect and Surveyor's Dept., Council Offices, Barry, Glam.
DAVIES, PHILIP ISAAC..	32, High Street, Ebbw Vale, Mon.
DAVIS, FRANCIS ROBERT EDWARD	R.N. Airship Station, Milton, Pembroke.
DOCHERTY, JOHN, JUN...	Inland Revenue Office, Adelaide Street, Swansea.

EVANS, DAVID..	Agricultural Office, College Street, Lampeter, Cardiganshire.
EVANS, HENRY MONTAGUE	City Engineer's Department, City Hall, Cardiff.
EVANS, JOHN EDGAR VAUGHAN ..	Murray House, Murray Street, Llanelly.
EVANS, JOHN WILLIAM PERCIVAL	4, Brynmawr Terrace, The Watton, Brecon.
EVANS, SAMUEL BOWLIE..	15, Buckingham Terrace, King Edward's Road, Swansea.
EVANS, SIMON	Glyn-Awen, St. Mary's Terrace, Cardigan.
EVANS, THOMAS JOHN	17, Glynrhondda Street, Cathays, Cardiff.
EVANS, WILLIAM EDGAR	10, Llwyncelyn Road, Gwaun-cae-Gurwen, Glam.
FOSTER, RICHARD FRANCIS	29, Hill Street, Haverfordwest.
FRANCIS, THOMAS PHILLIP	Town Hall, Pontypool, Mon.
GIBSON, REGINALD JOHN CAMPBELL	12, Brynmill Crescent, Swansea.
GRIFFITHS, DANIEL	Granville House, Pontypool, Mon.
GRIFFITHS, EDGAR REES	12, College Street, Swansea.
GRIGGS, HENRY JENNER, A.R.I.B.A.	Metropolitan Bank Chambers, Newport, Mon.
HAGGETT, HORACE PURCHASE ..	Cargate, Bryngwyn Road, Newport, Mon.
HARRY, HOWELL	Maes Street, Llangennech.
HAUGH, JAMES PATRICK	107, Beno Road, Pontypridd.
HEAVEN, FRANK HENRY, A.R.I.B.A.	39, Coronation Street, Aberkenfig, Bridgend, Glam.
HODGKINSON, OWEN ALLEN ..	55, St. Michael's Road, Maesteg, Glam.
HOMFRAY, HERBERT RICHARDS ..	Penllyn Castle, Cowbridge, R S.O.
HONEY, JAMES REGINALD CHARLES	21, Bron-awelon, Barry Garden Suburb, Barry, Glam.
HUFFELL, ALFRED CHARLES ..	Lloyd's Bank Chambers, Windsor Rd., Penarth, Glam.
JAMES, JOEL JENKINS	Pantyphillip, Dwrbach, Pembrokeshire.
JENKINS, ALBERT HENRY HOPKIN	Blackmill, near Bridgend, Glam.
JENKINS, REGINALD ARTHUR BLEWITT	4, College Street, Swansea.
JONES, BENJAMIN THOMAS ..	Ael-y-Bryn, Tivian Street, Tylorstown, Glam.
JONES, JOHN THOMAS	Bryn Rhigos, near Aberdare, Glam.
JONES, LEWIS	22, Edward Terrace, Cardiff.
JONES, RICHARD LEWIS..	Penwenallt, Newcastle Emlyn.
JONES, ROBERT JOHN	Bronllys, Trefor Road, Aberystwyth.
JONES, STANLEY WARREN	5, Queen's Avenue, Porthcawl.
KELLY, GEORGE WILLIAM CALVER	29. Monnow Street, Monmouth.
LEEDER, JOHN GEOFFREY VINER	46, Waterloo Street, Swansea.

Lewis, Christopher Arthur Gwynne	Tivycoed Farm, Glanamman, Carmarthenshire.
Leyshon, Hector MacQuarie..	Highbury, Neath, Glam.
Lloyd, Cyril Herbert Powell	45, Merthyrmawr Road, Bridgend, Glam.
Loveluck, Edward	33, Park Street, Bridgend, Glamorganshire.
Marfell, James Henry	Norwood House, Usk, Mon.
Michael, William	6, New Council Houses, Llangeinor, near Bridgend, Glam.
Morgan, David	12, High Street, Treorchy, Glam.
Morgan, David Edgar	Glyn Tawe, Vicarage Road, Morriston, Glam.
Morgan, Ivor Walter	2, Devynock Road, Sunnybridge, S.O., Breconshire.
Morgan, William Noel	Maesydderwen, Mountain Ash, Glam.
Mowbray, Clyde Bernard ..	32, Brynmill Terrace, Swansea.
Murray, Penry John, Capt., B.A. (*Cantab.*)	Cefn Parc, Brecon.
Nelson, Archie	4, Aberlash Villas, Tivydail, near Ammanford.
Nelson, William Percival ..	Elsinore, Pontypool Road, Mon.
Norton-Nash, Harry Beddoes	District Valuer's Office, 23, Skinner Street, Newport, Mon.
Palmer, Robert Sidney	4, Melbourne Place, Swansea.
Pendlebury, Claude Luther	6, Pembroke Terrace, Cardiff.
Powell, Herbert William John	84, Cathedral Road, Cardiff.
Price, Thomas George..	5, Eagle Street, Port Talbot.
Prichard, James Thomas ..	Manselton Villa, Ferryside, Carmarthenshire.
Prosser, Roger, B.Sc.	The Elms, Struet, Brecon.
Prosser, Walter Henry.. ..	11, Adare Street, Bridgend, Glam.
Punter, Percival Alan	61, Coronation Road, Cwmbran, Mon.
Rees, David Watkin	Bodlondeb, Penybank, Ammanford.
Rees, Edgar Stuart..	32, Convent Street, Waun Wen, Swansea.
Rees, Ernest John	20, Rugby Avenue, Neath.
Rees, Morgan..	Penydre House, Neath, Glamorganshire.
Richards, John Sydenham ..	3, Trinity Place, Swansea.
Richardson, William	Brynteg, Bryn Road, Swansea.
Roach, David John	8, Gelli Crossing, Ystrad Rhondda, Glam.
Roberts, Joseph Norman ..	Treflan, Tredegar, Mon.
Roberts, Morgan Graham ..	3, St. George's Terrace, Swansea.
Roderick, Benjamin	Ashbrook House, Aberdare.
Roderick, William David, Capt., D.S.O., M.C.	Beignon, Richard's Terrace, Roath, Cardiff.
Rogers, John	14, St. Alban's Road, Swansea.
Sage, Ernest Derrett	The Grange, Usk, Mon.
Samuel, Ronald Astley	Tanyrallt, Eaton Grove, Swansea, Glam.

Sanders, Charles Fletcher ..	Principality Buildings, Queen Street, Cardiff.
Schofield, Harold Francis ..	1, Stow Park Crescent, Newport, Mon.
Seel, Ralph Cecil	75, St. Mary Street, Cardiff.
Seel, Robert Amyas	75, St. Mary Street, Cardiff.
Shaw, Frederick John	Westgate Chambers, Newport, Mon.
Shedden, Edward Claude ..	c/o Messrs. David & David, 11, Cathedral Road, Cardiff.
Shepherd, George Valentine William	18, Bryngwyn Road, Newport, Mon.
Smith, Edwin, a.r.i.b.a.	26, London Road, Neath.
Stanley, Gerald	Queen's Chambers, Cardiff.
Stewart, Theophile Lecompte	18, Vaughan Street, Llanelly.
Taylor, Harold Tom	15, Windsor Tee, Uplands, Swansea.
Taylor, Samuel Davis	Priory Bank, Monmouth.
Teasdale, George William ..	Surveyor's Department, Guildhall, Swansea.
Thomas, Arthur John, m.b.e. ..	Eastfield, St. Thomas, Swansea.
Thomas, Edward Angus	Rosedale, Nelson, near Cardiff.
Thomas, Thomas David . ..	Crawshaw Villa, Ton Pentre, Glam.
Thomas, William John	12, Glyncoli Road, Treorchy, Glam.
Walker, John Willis	Bryn-onen, Castleton Avenue, Garden Village, Treherbert, Glam.
Walters, William David	1, Llanfair Road, Penygraig.
Wastell, Charles Hedley ..	4, College Street, Swansea.
Watkins, John Oliver	10 and 11, St. Helen's Road, Swansea.
Watson, Thomas	34, Pinewood Road, Swansea.
Williams, Daniel Smith	6, Llanedeyrn Road, Penylan, Cardiff.
Williams, Howard	132, Queen Street, Cardiff.
Williams, John Joseph	Llanarth Estate Office, Newport, Mon.
Yeo, William Henry	Caegarw, Court Colman, Bridgend, Glamorganshire.

PROBATIONERS:

David, Humphrey Edmund ..	4, Park Place, Cardiff.
Davies, Harold Norton	38, Gwladys Street, Caeracca, Pant, Dowlais, Glam.
Edwards, George	10, Courtland Terrace, Merthyr Tydfil.
James, Meurig Lewis	Goedwig, Woodlands Terrace, Swansea.
Jefferies, Thomas Leslie Gilbert	Wansbeck House, Chepstow, Mon.
Proctor, John	179, Gladstone Road, Barry, Glam.
Sadd, Arthur Gilbert	Y.M.C.A. Buildings, St. Helen's Road, Swansea.
Thomas, Haydn Lloyd	111, St. Helen's Road, Swansea.

TUNBRIDGE, GRAHAM	16, Somerset Place, Swansea.
WARING, WILLIAM JOHN	Barum House, Ena Avenue, Neath Glam.
WHONE, WILLIAM ERNEST	Aubrey House, Cowbridge, Glam.

STUDENTS:

CHAPPELL, ALFRED NOEL WOODLIFFE	18, Y Groes, Rhiwbina, Cardiff.
LAWLEY, CHARLES RAYMOND ..	67, High Street, Blaina, Mon.
RHYDDERCH, GWYN	Railway Tavern, Blaina, Mon.

SCOTTISH BRANCH.

FELLOWS:

ADAM, JAMES	211, Hope Street, Glasgow.
ADDIE, ROBERT	138A, Crown Street, Aberdeen.
AITCHISON, JAMES GRAY	1732, Shettleston Street, Glasgow.
ANDERSON, JOHN	20, York Place, Edinburgh.
ANDERSON, ROBERT..	Property Agent, 95, Bath Street, Glasgow.
ARNOT, THOMAS	10, St. Andrew Square, Edinburgh.
BALLANTYNE, JAMES ROGERSON	2, Montgomerie Terrace, Mount Florida, Glasgow.
BARR, JAMES	221, West George Street, Glasgow.
BARR, ROBERT IRWIN	221, West George Street, Glasgow.
BARRY, GEORGE SMITH	District Surveyor, 18, Wellington Sq., Ayr.
BAXTER, JOHN..	243, St. Vincent Street, Glasgow.
BELL, ANDREW WALKER..	22, Ainslie Place, Edinburgh.
BELL, HENRY JAMES	18, Charlotte Street, Perth.
BINNIE, THOMAS	207, Hope Street, Glasgow.
BLAIR, ALEXANDER..	9, Wemyss Place, Edinburgh.
BLAIR, THOMAS	Hoprig Mains, Gladsmuir, Haddingtonshire.
BRAND, JAMES DOUGLAS	15, Beech Avenue, Dumbreck, Glasgow.
BROWN, CHARLES	Kerse Estate Office, Falkirk, Stirlingshire.
BROWN, JAMES..	11, Melrose Gardens, Kelvinside, Glasgow.
BRYDEN, CHARLES JOHN BAXTER..	Afton, Milngavie, Dumbartonshire.
BUTTAR, ALEXANDER	53, Hanover Street, Edinburgh.
CAMERON, ANGUS	Seafield Estates Office, Elgin.

CARNEGY, DAVID JAMIESON ..	County Buildings, Forfar.
CLARK, ALEXANDER MUIRHEAD ..	Oakwood, Hilton Avenue, Inverness.
COLES, WALTER GEORGE	Board of Agriculture for Scotland, 29, St. Andrew Square, Edinburgh.
CONNOR, GEORGE HARRY ADAMS	Estates Office, Longniddry, Haddingtonshire.
CONSTABLE, GEORGE WILLIAM ..	Traquair Estate Office, Innerleithen.
CRAWFORD, ANDREW RENNIE, LIC.R.I.B.A.	Land Valuation Office, 249, George Street, Glasgow.
CRONE, WILLIAM MURRAY	65, West Regent Street, Glasgow.
CURRIE, ARTHUR LORIMER	192, Ledard Road, Langside, Glasgow.
DAKERS, EDWARD JOHN WILLIAM	93, Castlehill Road, Ayr.
DARLING, JOHN	25, Pitcullen Terrace, Perth.
DAVIDSON, CHARLES	Terrace Buildings, Paisley, Renfrewshire.
*DAVIDSON, JAMES INGLIS	Saughton Mains, Corstorphine, Midlothian.
DAVIE, ALEXANDER	Valuation Dept., 99, Glassford Street, Glasgow.
DAWSON, ROBERT ALEXANDER ..	The Farm, Gordon Castle, Fochabers.
FAULDS, WILLIAM CLARK	133, Great Hamilton Street, Glasgow.
FOULIS, ARCHIBALD KEITH ..	Hamilton Estates Office, The Palace, Hamilton.
FRASER, WILLIAM	209, St. Vincent Street, Glasgow.
FREW, DAVID LANDALE	45, Hope Street, Glasgow.
FREW, GORDON THOMSON	227, West George Street, Glasgow.
GARRIOCH, JOHN T.	Croyard, Beauly, Inverness.
GEDDES, CHARLES DAVID	21, Young Street, Edinburgh.
GILCHRIST, JOHN	81, Hope Street, Glasgow.
GLEN, JAMES	Ashfield, Park Place, Stirling.
GORDON, ALEXANDER WILLIAM ROBERT	3, Parliament Square, Edinburgh.
GRANT, HERBERT MITCHELL	"Bengarth," Blairgowrie, Perthshire.
GRAY, JOHN	15, Claremont, Alloa.
GUILD, JAMES LYON	71, George Street, Edinburgh.
HAMILTON, CHARLES	Lawrieston, Falkirk.
HAMILTON, JAMES ALEXANDER FREDERICK HENRY, MAJOR	18, George Street, Edinburgh.
HAMILTON, JOHN COCHRANE ..	53, Hanover Street, Edinburgh.
HAMILTON, THOMAS WELSH	Mansion House, Greenock.
HART, JOHN	Cowie Mains, Stonehaven, Kincardineshire.
HENDRY, ROBERT	Southcroft, Thornliebank, near Glasgow.
HOME, JOHN HEPBURNE MILNE ..	Irvine House, Canonbie, Dumfrieshire.
HORSBRUGH, CHARLES EDWARD ..	Blairqutrosh, Blanefield, Glasgow.
HUGHES, THOMAS HAROLD, CAPT., F.R.G.S.	27, Ashton Terrace, Hillhead, Glasgow.
HUME, JOHN	30. Eastfield, Joppa, Edinburgh.
INGHAM, ARTHUR GEORGE	H.M. Board of Agriculture for Scotland, York Buildings, Queen Street, Edinburgh.

Inglis, Robert	Old Blair, Blair Atholl, Perthshire.
Ingram, Cecil Walter..	100, Princes Street, Edinburgh.
Johnston, Robert William, Major	211, Union Street, Aberdeen.
Johnstone, James..	Mereworth, Prestwick, Ayrshire.
Jones, John Arthur	C.E.-in-C.'s Dept., H.M. Dockyard, Rosyth.
Kaye, Stewart	14, Hill Street, Edinburgh.
Kirkwood, Charles	61, West Regent Street, Glasgow.
Laidler, George	Strabane, Brodick, Isle of Arran.
Laird, Daniel Maclelland ..	15, Tinto Road, Newlands, Glasgow.
Leith, Thomas	3, King's Place, Perth.
Lightbody, Forrest Hay	53, Queen Street, Edinburgh.
Logan, James..	Coltness, Wishaw, Lanarkshire.
Lorimer, Allan Aitken	47, Overgate, Dundee.
Macaulay, James	37, St. Vincent Crescent, Glasgow W.
McBeath, David Keir	Broxwood, Sandbank, Argyllshire.
MacCallum, Alexander Duncan	2, Ethel Terrace, Mount Florida, Glasgow.
McHarrie, Stair	Rephad, Stranraer, Wigtownshire.
Mackay, David Meikle	189, St. Vincent Street, Glasgow.
McKie, Henry Bannerman ..	Freeland, Bishopston, Renfrewshire.
Mackintosh, John	Architect's Department, H.M. Prison Commission for Scotland, Edinburgh.
McLaren, John Thomas	The Leuchold, Dalmeny Park, Edinburgh.
Maclean, Peter McKinnon ..	30, Annette Street, Crosshill, Glasgow.
McMichael, James	1, Argyll Arcade, Glasgow.
Macpherson, William	Montrose Estate Office, Catter House, Drymen, Stirlingshire.
MacRobbie, William Alexandre	102, Desswood Place, Aberdeen.
McTaggart, Hugh Harvey.. ..	60, Falcon Avenue, Morningside, Edinburgh.
Makins, James Vincent	30, George Square, Glasgow.
Malcom, James Archie..	53, Hanover Street, Edinburgh.
Mann, Charles	45, Commercial Road, Dundee.
Manson, Thomas Beaton	3, Loreburn Park, Dumfries.
Marrian, Harold Greenwood, A.M.I.C.E.	3, Main Street, Coatbridge, Lanarkshire.
Marwick, Thomas Purves	43, York Place, Edinburgh.
Mather, James	Revelston Bank, Blackhall, Midlothian.
Michie, David Kinloch	Elderslie Estates Office, Renfrew.
Middleton, James..	Estate Office, Braehead, Kilmarnock.
Millar, Alexander Walker ..	37, Frederick Street, Edinburgh.
Miller, William Mitchell.. ..	12, St. Andrew's Square, Edinburgh.
Mitchell, George Bennett, M.B.E, D.L.	West Craibstone Street, Bon Accord, Aberdeen.
*Murray, John Campbell	Pollok Estates Office, 120, West Regent Street, Glasgow.
Murray, Joseph	Camperdown Estates Office, Dryburgh, Lochee, Forfarshire.

Murray, William Watson ..	Catter House, Drymen, Stirlingshire.
Neill, Hugh	87, Union Street, Glasgow.
Nisbet, John	30, George Street, Glasgow.
Park, Alexander..	175, Hope Street, Glasgow.
Paterson, John Salmon	Valuation Office, Inland Revenue, 28, Queensgate, Inverness.
Pearson, James Montgomerie ..	51, John Finnie Street, Kilmarnock.
Philip, William Watt	Lee & Carnwath Estates Office, Cartland Mains, Lanark.
Purdie, Anthony	241, West George Street, Glasgow.
Purves, James	Dunskey Estate Office, Portpatrick.
Ralston, Andrew Agnew, o.b.e.	Philpstoun House, West Lothian.
Ralston, Charles Wallace ..	Dabton, Thornhill, Dumfriesshire.
Ramsay, James Douglas	Estates Office, Balmoral, Ballater, Aberdeenshire.
Rankin, Henry Alexander ..	County Assessor's Office, 92, Cadzow Street, Hamilton.
Rankine, David	238, West George Street, Glasgow.
Rennie, Joseph	16, Dunearn Street, Glasgow.
Robb, William Johnston	196, Vincent Street, Glasgow.
Robertson, James	Morebattle Lofts, Kelso.
Rodger, James	Rockdale Lodge, Abercromby Drive, Bridge of Allan.
Ronald, David	Chief Engineer, Scottish Board of Health, Edinburgh.
Salmond, William..	6, High Street, Dundee.
Samson, David Thomas	Seafield Estates Office, Cullen, Banffshire.
Scott, Crawford Allen	Estate Office, Bearsden, Dumbartonshire.
Scrimgeour, John	Doune Estate Office, Doune, Perthshire.
Sharp, James Daniel, Capt. ..	Headquarters, Scottish Command, 65, Cockburn Street, Edinburgh.
Sharp, John Grant	172, Buchanan Street, Glasgow.
Shepherd, William, Major ..	Valuation Department, Edinburgh Counties, 53, Hanover Gardens, Edinburgh.
Shirley, Henry Townsend ..	3, Whittinghame Terrace, Jordanhill, Glasgow.
Smith, Jonah Walker	Local Government Board, George Street, Edinburgh.
Smith, Thomas	The Castle, Maybole.
Speirs, Archibald..	74, Canning Street, Glasgow.
Steel, James, m.a.	502, St. Vincent Street, Glasgow.
Stevenson, Allan..	14, Cathcart Street, Ayr.
Stewart, James Bunting	228, Cambridge Street, Glasgow.
Storie, James Foggo	H.M. Office of Works, 4, Drumsheugh Gardens, Edinburgh.
Sutherland, John Donald ..	11, Inverleith Row, Edinburgh.

TANNAHILL, ROBERT DUNLOP ..	Lands Valuation Office, Kilmarnock.
THOMSON, JOHN LORIMER	Valuer's Department, 31, Albert Square, Dundee.
TURNER, JOSEPH HARLING, C.B.E.	Portland Estate Offices, Kilmarnock.
WALKER, ALEXANDER, C.B.E. ..	249, George Street, Glasgow.
WALKER, GEORGE BROWN.. ..	65, Bath Street, Glasgow.
WALKER, JOHN..	74, Bath Street, Glasgow.
WALLACE, THOMAS DOUGLAS.. ..	Callendar Estate Office, Falkirk.
WATT, JAMES	75, Union Street, Aberdeen.
WHITE, JOHN, JUN.	9, Millbrae Crescent, Langside, Glasgow.
WHYTE, THOMAS	36, North Lindsay Street, Dundee.
WILLIAMSON, EDWIN LAWRENCE	207, Union Street, Aberdeen.
YOUNG, ALEXANDER	13, Shandon Street, Edinburgh.
YOUNG, HAROLD	Civil Engineer-in-Chief's Dept., H.M. Dockyard, Rosyth.
YOUNG, HENRY STEPHEN MATTHEWS	Heathfield, Irvine, Ayrshire.
YOUNG, THOMAS, M.B.E., N.D.A. ..	13, George Square, Edinburgh.

PROFESSIONAL ASSOCIATES:

BAKER, ERNEST SAMUEL	Netherby, Wick.
BALLANTINE, WILLIAM ARCHIBALD	14, Queenshaugh Drive, Stirling.
BORLAND, JOHN CAMPBELL.. ..	Renfield Kirn, Argyllshire.
BOWIE, ALEXANDER, JUN.	4, Glebe Avenue, Kilmarnock, Ayrshire.
BOYNE, WILLIAM	Burgh Surveyor's Office, Town House, Aberdeen.
BREBNER, ROBERT FREDERICK ..	Monreith Estate Office, Whauphill, Wigtownshire.
BRODIE, MATTHEW SCOTT	Burgh Surveyor, Troon.
CAMERON, CHARLES GRANT	Brae Cottage, Hopeman, Morayshire.
CAMERON, ROBERT	Argyll County Education Authority, Dunoon.
CAPE, JAMES DUNCAN	County Buildings, Dunfermline.
CHESSOR, GEORGE CLINTON ..	Claremont, Victoria Street, Fraserburgh.
CORBETT, WILLIAM..	28, Arlington Street, Glasgow.
CRAIG, ANDREW, JUN.	198, West George Street, Glasgow.
CRAWFORD, JAMES JACK	Rock View, Dumbarton.
CRICHTON, JAMES STUART	52, Elderslie Street, Glasgow.
CULLEN, ALEXANDER, A.R.I.B.A.	88, Cadzow Street, Hamilton.
DAWSON, LESLIE	39, Church Street, Dufftown.
DOBSON, WILLIAM	47, Raeberry Street, Glasgow.
DUGUID, JOHN MILLOY	31, Elm Street, Logie, Dundee.
DUNCAN, HARRY	7, Gladstone Place, Stirling.
DUNN, JOHN WILLIAM	27, Overdale Gardens, Langside, Glasgow.

Frew, James Allen	30, Hill Crescent, Buckie, Banffshire.
Goudie, Alexander Maclean	49, Main Street Largs, Ayrshire.
Gray, James	113, Dalkeith Road, Edinburgh.
Haddow, Robert Bayne ..	Strowan, Bridge of Weir.
Harrison, Percy Charles ..	Lands Valuation Dept., 249, George Street, Glasgow.
Hathaway, Walter Albert ..	Coshneuk Road, Millerston, nr. Glasgow.
Henderson, Thomas	38, Jordan Lane, Morningside, Edinburgh.
Hendrie, Robert John ..	Burgh Surveyor's Office, Gilmour Street, Paisley.
Howie, John	H.M. Office of Works, 485, Drumsheugh Gardens, Edinburgh.
Inglis, Robert Cumming	37, Lawrence Street, Dowanhill, Glasgow.
Jackson, Lambert	36, Broadstone Park, Inverness.
Jamieson, William Leask ..	18, St. Mary's Place, Aberdeen.
Johnston, Robert William ..	28, West Mount Street, Aberdeen.
Johnstone, Peter	Estate Dept.,Calico Printers Assoc.Ltd., 4, West Regent Street, Glasgow.
Kerr, John Sanderson	2, Tay Terrace, Broughty Ferry, Dundee.
Langlands, James Hendry ..	31, Murraygate, Dundee.
Lickely, Alexander	12, Perth Street, Dundee.
Loudoun, Eric Gilmour	35, Camphill Avenue, Langside, Glasgow.
Love, James Barr	Knowes, Lochwinnock, Renfrewshire.
McBain, John	463, Clarkston Road, Cathcart, Glasgow.
McCallum, Daniel	92, Mosspark Oval, Glasgow.
McDonald, Donald	86, Temple Park Crescent, Edinburgh.
MacGregor, Peter Grant	149, Ashdale Drive, Mosspark, Glasgow.
MacGregor, Robert Murray ..	8, Gadie Street, Kennyhill, Glagsow.
Macilwraith, Tom Dixon	c/o Auld, 5, Manse Street, Renfrew.
McIntosh, Charles	40, Cochrane Street, Glasgow.
McLaren, Henry	Ury Estates Office, Stonehaven.
Maclay, Charles	267, Crow Road, Partick, Glasgow.
McWilliam, Alexander	Viewhill, Dovecot Road, Corstorphine, Midlothian.
McWilliam, John Alexander ..	115, Hanover Street, Edinburgh, and 33, Kirkhill Road, Edinburgh.
Martin, David Burn	38, Glasgow Road, Perth.
Melville, Henry Duncan	Marlborough Cottage, Kelso, Roxburgh.
Menzies, James Wilson Gourlay	111, Peveril Avenue, Waverley Park, Glasgow.
Millar, George	Engineer's Office, G. & S.W. Rly., Glasgow.
Millar, Henry Moir	44, McAllister Avenue, Airdrie.
Mitchell, George Angus ..	1, West Craibstone Street, Bonaccord Square, Aberdeen.
Money, Alexander Walker ..	The Neuk, Clarkston, Glasgow.

Morham, Kenneth Noble ..	17, Mansion House Road, Edinburgh.
Morrison, John Baxter	Airlie Estate Office, Cortachy, Kirriemuir.
Morrison, Norman Thomas.. ..	City Architect's Office, City Chambers, Dundee.
Muir, Andrew, Jun.	14, Woodburn Road, Newlands, Glasgow.
Neville, Eric Bernard	Crosshill House, Muthill, Perthshire.
Orr, Charles Stewart	Land Valuation Office,. 249, George Street, Glasgow.
Pinkerton, John Cassels, m.c. ..	24, Woodburn Road, Newlands, Glasgow.
Reid, Colin Colquhoun ..	5, Chisholme Street, Glasgow.
Reid, Eric Charles Morris ..	11, St. Mary Terrace, Dundee.
Reid, Robert Donald	23, Fothringham Road, Ayr.
Ritchie, William Todd	14, Pitcullen Terrace, Perth.
Robb, Thomas Wright..	129, Carsaig Drive, Craigton, Glasgow.
Robertson, Wilson Mathieson	4, Dean Park Street, Edinburgh.
Russell, Thomas Ramsay ..	Clermiston, Helensburgh, Dumbartonshire.
Scott, James Cospatrick	Broomlands, Kelso, Roxburgh.
Scott, Matthew Gardner ..	3, Elliot Drive, Giffnock, Renfrewshire.
Shepherd, John Linn	35, Lang Street, Dundee.
Shortreed, William	10, Largo Place, Leith.
Simpson, James Grant	City Assessors' Office, 40, Cochrane Street, Glasgow.
Sisson, George Senga Waugh ..	86, Seymour Street, Crossmyloof, Glasgow.
Smith, Charles Herbert ..	3rd Floor, Municipal Buildings, Greenock.
Smith, James Dougan	22, McAllister Avenue, Clarkton, Airdrie, Lanarkshire.
Spark, George	16, Bridge Street, Aberdeen.
Stark, Duncan	51, Grant Street, Glasgow.
Stevenson, Alexander Ewing..	Blawarthill, Scotstown West, Glasgow.
Stewart, Alastair Macdonald	Dunclutha, Dalmuir, Dumbartonshire.
Stewart, Alexander Wyper ..	18, Bruntsfield Avenue, Edinburgh.
Stewart, Neil	3, Gourie Place, Perth Road, Dundee.
Stuart, Charles Fraser ..	Office of H.M. Inspector of Taxes, 1st District, 31, Bank Street, Dundee.
Sutherland, Alexander ..	73, Mosspark Oval, Mosspark, Glasgow.
Tait, John Wilson..	34, St. Andrew Square, Edinburgh.
Thomson, Colin Thomas	15, Wellington Street, Edinburgh.
Thorburn, James	18, Brandon Street, Motherwell.
Usherwood, James, Junr. ..	2, Blythswood Drive, Glasgow.
Vallance, David	17, Dalnair Street, Yorkhill, Glasgow.
Waddell, Gavin	1, Arden Street, Edinburgh.
Watt, Alexander	13, Brimmond Place, Balnagash, Aberdeen.
Weddell, Robert Houston ..	Park Villa, Uddingston, Lanarkshire.

Weir, William Logan	Burgh Buildings, Hamilton.
White, John	Ivy Bank, Elgin.
Wilkie, John MacDougall ..	17, Esmond Street, Yorkhill, Glasgow W.
Wilson, Alexander John Mackell	63, Cartvale Road, Langside, Glasgow.
Wilson, Marshall Lang	Estate Office, Ladykirk, Monkton, Ayrshire.
Woodbridge, William Edward, A.M.I.C.E.	Admiralty, Superintending Civil Engineer's Office, St. Leonard's Bank, Perth.
Wyllie, William Alexander ..	59, Academy Street, Inverness.
Young, William Ross	Scottish Board of Health, Edinburgh.

ASSOCIATE:

Macqueen, Montague Mordaunt..	9, Kirkwood Street, Ibrox, Glasgow.

PROBATIONERS:

Brown, John Victor Raeburn	Dundas Lodge, Kerse, by Falkirk.
Campbell, James Fisher	110, Onslow Drive, Dennistoun, Glasgow.
Crichton, George Callum ..	5, Claremont Place, Crieff Road, Perth.
Davidson, James, Jun.	Garry Cottage, Station Road, Lochgelley, Fifeshire.
Johnstone, Robert William ..	Dryden Villa, Roslin, Midlothian.
Lauder, Malcolm, Jun.	Rowanlea, Johnstone, Glasgow.
Macpherson, John Henderson	Blackcroft, Shettleston, Glasgow.
Malcolm, Duncan Grant ..	135, Great Hamilton Street, Glasgow.
Marshall, Andrew Campbell ..	12, Smith Street, Hillhead, Glasgow West.
Murray, Thomas Prain Douglas	Dryburgh, Dundee.
Short, Charles	109, Charles Street, Springburn, Glasgow.
Smith, Thomas Robinson	8, Foulis Street, Glasgow, W.
Wood, Daniel McNiven	66, Alexandra Parade, Glasgow.

STUDENTS:

Grant, Donald	North Lodge, Dundas Estate, South Queensferry, West Lothian.
Kemp, James Wales Wilson ..	82, Pitt Street, Edinburgh.
King, Albert	49, Warrender Park Road, Edinburgh
McKechnie, Peter	13, Maxwell Street, Partick, Glasgow
Marr, William	8, Brora Street, Riddrie, Glasgow.
Sturrock, Herbert G.	Cnoc-na-dail, Barnhill, Broughty Ferry
Teviotdale, George Strathearn	25, Hutton Drive, So. Govan, Glasgow.

IRELAND.

(Irish Members forming the Irish Branch Committee.)

FELLOWS:

*Alexander, Henry G. S., Colonel	Carrickmore House, Carrickmore, Co. Tyrone.
Allen, George	Hillsboro', Co. Down.
Alton, Henry Bindon	84, O'Connell Street, Limerick.
Anthony, Ernest John	95, Lower Leeson Street, Dublin.
*Baillie. John Robert, Colonel	Abercorn Estate Office, Strabane, Co. Tyrone.
Barlee, George Hamilton ..	General Valuation Office, Dublin.
Barrington, John Beatty ..	Barrington Street, Limerick.
Barton, Arthur Pearl	6, Ely Place, Dublin.
*Barton, Henry Dupre Malkin	The Bush, Antrim.
Beamish, William Henry	60, South Mall, Cork.
Beckett, W. Frank	6, Clare Street, Dublin.
Biller, William Thomas	3, Arranmore Road, Herbert Park, Dublin.
Blackley, Travers Robert ..	c/o Messrs. Coutts & Co., 440, Strand, W.C.2.
Bolton, Samuel H., Capt. ..	123/4, Scottish Provident Buildings, Belfast.
Borrowes, Eustace	49, Rathdown Road, Dublin.
Bourchier, Claud J.	Charleville Estate Office, Tullamore, King's County.
Bowen, John, r.e...	County Offices, Dungarvon, Co. Waterford.
Boyle, John Charters	Estate Office, Armagh.
Bridge, Henry Powell	Laragh, Charlton Kings, Cheltenham.
*Browne, Ernest H.	Brookfield, Tullamore.
Brunicardi, Dominic N. ..	Valuation Office, 6, Ely Place, Dublin.
Burke, Henry Anthony	Drumkeen, Ballinamallard, Co. Fermanagh.
Burke, Martin Joseph..	H.M. Office of Works, Dublin.
Burke, William Creaghe	Cloonee, Ballinrobe, Co. Mayo.
Callinan, Patrick	53, Russell Road, W.14.
Campbell, Nicholas Peterson	100, Donore Avenue, South Circular Road, Dublin.
Carbury, John	6, Ely Place, Dublin.
Carson, William B.	Mendon, Swords, Co. Dublin.
Carter, T. Henry	Estate Office, Castletown, Mountrath, Queen's County.
Chambré, C. B. M...	Northland Row, Dungannon, Co. Tyrone.
Chatterton, Abraham..	Kilgarron, Enniskerry, Co. Wicklow.

CHEEKE, WILLIAM ALEXANDER, MAJOR	28, Molesworth Street, Dublin.
CLARKE, FRANCIS MILLETT ..	6, Ely Place, Dublin.
CLAYTON, JOHN GRAVES..	32, Nassau Street, Dublin.
COOTE, STANLEY VICTOR, M.A. (*Oxon.*)	"Germains," Chesham, Bucks.
COUGHLAN, PATRICK	King Street, Mitchelstown, Co. Cork.
*DICKINSON, CHARLES, B.A. (*Dublin*)..	23, South Frederick Street, Dublin.
DICKINSON, HAROLD	23, South Frederick Street, Dublin.
EDGEWORTH, THOMAS NEWCOMEN	Cherbury, Booterstown, Co. Dublin
EDWARDS, SIDNEY ALBERT.. ..	6, Ely Place, Dublin.
ELLIS, ERNEST FRANCIS LESLIE ..	St. Austin's, Inch, Co. Wexford.
FARRELL, EDWARD FRANCIS, LIEUT.-COLONEL	Walterstown, Moynalty, Kells, Co. Meath
FENTUM, CHARLES ALFRED ..	Valuation Office, 6, Ely Place, Dublin
FERGUSON, ACHESON	2, Wellington Place, Belfast.
FERGUSON, JAMES, MAJOR ..	22, Glandore Avenue, Belfast.
*FITZGERALD, PETER DAVID	Estate Office, Adare, Co. Limerick.
FITZHERBERT, BERTRAM	Emo Park, Portarlington.
FORBES, ARTHUR	Earls Vale, Cavan.
FOWLER, GEORGE H.	Estate Office, Kells.
*FRANKS, HARRY (*Member of Council*)	Woodbrook, Mountrath, Queen's County
FREND, HENRY..	Crinkle House, Birr, King's County.
GARVEY, TOLER ROBERT	Estates Office, Birr.
GETHIN, RANDOLPH GEORGE, MAJOR, M.B.E.	Estate Office, 17, Beresford Street Waterford.
GLOSTER, THOMAS EDWARD	Estate Office, Knockdrin Castle, Mullingar, Co. Westmeath.
GOOD, THOMAS MORGAN	21, Lincoln Place, Dublin.
GORMAN, JAMES	6, Ely Place, Dublin.
GREEN, ALBERT THOMAS	6, Ely Place, Dublin.
GREGG, JOSEPH C.	6, Ely Place, Dublin.
GUINNESS, HOWARD RUNDELL ..	16, College Green, Dublin.
HALL, DAVID	69, South Mall, Cork.
HALL, FRANCIS SAMUEL..	8, Westmoreland Street, Dublin.
HALL, JOHN SEBASTIAN..	Valuation Office, 113, Royal Avenue Belfast.
HAMILTON, EDWARD CHETWOOD, MAJOR	Woodstock Estate Offices, Inistioge.
HARGRAVE, WILLIAM HARRISON, A.M.I.C.E. (*Ireland*)	68, Grosvenor Square, Rathmines, Co. Dublin.
HARVEY, JAS. G. MOREWOOD ..	Northern Bank Buildings, Londonderry
HATTE, WILLIAM MUNDAY	32, Nassau Street, Dublin, and Charleville Co. Cork.

HEARD, RICHARD	Ballintubber, Carrigturhill & Co., Cork.
HEMPHILL, CHARLES GEORGE CATHCART, MAJOR	11, Ely Place, Dublin.
HEWSON, GEORGE RAWDON MAURICE, CAPTAIN	Dromahair, Co. Leitrim.
HINDE, WILLIAM HENN, M.I.C.E ..	Lincoln Chambers, Dublin.
HUGGARD, WILLIAM	Clounalour, Tralee, Co. Kerry.
HUNTER, SAMUEL COYNE	2, Wellington Place, Belfast.
HUTCHISON, WILLIAM HENRY ..	General Valuation Office, 6, Ely Place, Dublin.
JAMESON, ROBERT WILLIAM ..	Ardanoir, Greystones, Co. Wicklow.
JOHNSTONE, AUGUSTUS FREDERIC	39, Merville Avenue, Kingstown, Co. Dublin.
KENNEDY, MICHAEL A.	Rye Hill House, Monivea, Co. Galway.
KERR J. SCOTT	11, Courtfield Gardens, S.W.5.
KIRWAN, DENIS BIRMINGHAM ..	Dalgin, Tuam, Co. Galway.
*LEE-NORMAN, ALEXANDER HENRY	Corballis, Ardee, Co. Louth.
LE FANU, VICTOR CHARLES	Estate Office, Bray, Co. Wicklow.
LIDDLE, LAURENCE HENRY ..	6, Ely Place, Dublin.
LONGFIELD, HENRY FOSTER ..	Grange Erin, Douglas, Cork.
LYLE, SYDNEY J., CAPT.	Ballycastle, Co. Antrim.
MCAULEY, JAMES JOSEPH ..	6, Ely Place, Dublin.
MCCARTHY, JOHN	6, Ely Place, Dublin.
MCCLURE, ROBERT NASH	Estate Office, Tralee, Co. Kerry.
MCCONNELL, JOSEPH	37, Royal Avenue, Belfast.
MCMILLAN, JOHN KNOX	6, Ely Place, Dublin.
MCNAIR, ANDREW THOMSON ..	General Valuation Office, 6, Ely Place, Dublin.
MCNEILL, JAMES	6, Ely Place, Dublin.
MARCHANT, ROBERT	No. 6, Fifth Floor, 2, Wellington Place, Belfast.
MAUDE, CHRISTOPHER HUGH ..	Lenaghan, Enniskillen, Co. Fermanagh.
MAUNSELL, GEORGE EDWARD SCARLETT	Burghclere, Newbury, Berks.
MAUNSELL, RICHARD EDWARD ..	4, Kildare Street, Dublin.
MEDCALF, WILLIAM..	6, Clare Street, Dublin.
MOERAN, ARCHIBALD EDWARD ..	Portumna Castle, Co. Galway.
MONTGOMERY, HARFORD HUGH ..	c/o W. Montgomery and Son, Belfast and Dublin.
MONTGOMERY, WILLIAM ALEXANDER MAJOR, D.S.O., C.B.E.	2, Howard Street, Belfast.
MORAN, PATRICK J.	3, Windsor Terrace, Kingstown, Co. Dublin.
MURPHY, JAMES FRASER, MAJOR ..	Estate Office, Boyle, Co. Roscommon.

Murphy, J. H. Burke..	Cultra Lodge, Cultra, Co. Down.
Nash, Sir Vincent, d.l.	85, George Street, Limerick.
Newton, Robert	Killymeal, Dungannon.
O'Brien, Donough Richard ..	74, O'Connell Street, Limerick.
O'Brien, The Honble. Edward Donough	Roslevan, Ennis, Co. Clare.
O'Ferrall, Gerald More ..	Edgeworthstown, Co. Longford.
Patterson, John Wilson, Major, b.e.	Valuation Office, Atlantic Buildings, Waring Street, Belfast.
Pierce, William	Shirley Estate Office, Carrickmacross.
Power-Steele, William	General Valuation Office, 5, Ely Place, Dublin.
Price, Victor T., b.a.	3, Crosthwaite Park, Kingstown, Co. Dublin.
Rea, Sinclair Stevenson ..	6, Ely Place, Dublin.
*Rochfort, William	Cahir Abbey, Cahir, Co. Tipperary.
Roe, Robert Benson	Kingscourt, Wellington Place, Belfast.
Russell, Nelson	64, Royal Avenue, Belfast.
Ruttledge, Thomas F...	Rossmally, Westport, Co. Mayo.
Ryan, John	6, Ely Place, Dublin.
*Sanders, Robert Massy Dawson	Sanders Park, Charleville, Co. Cork.
Sandys, Henry	Dargle, Enniskerry, Co. Wicklow.
Scott, John Russell	Willsboro', Londonderry.
Shellard, Thomas Vincent ..	23, South Frederick Street, Dublin.
Sheppard, Hercules Reid ..	General Valuation Office, Dublin.
Shortall, John Francis	District Office of Public Works, Maryborough, Queens County.
Smith, Alfred Edward	5, St. Andrew Street, Dublin.
Smith, George Young	Stradowan, Omagh, Co. Tyrone.
Smith, Roland Ingleby	Ministry of Finance, 113, Royal Avenue, Belfast.
Stephens, John Kyle	13, Donegall Square North, Belfast.
Stephens, Samuel..	13, Donegall Square North, Belfast.
Stewart, Rt. Hon. George Francis	Summerhill, Killiney, Co. Dublin.
Stewart, Henry Pakenham ..	6, Leinster Street, Dublin.
Stewart, Pakenham Thomas ..	Valuation Office, Cork.
Stewart, Robert Henry Rynn..	6, Leinster Street, Dublin.
Studdert, Loftus Adam, Capt.	Glenwood, Sixmilebridge, Co. Clare.
Sullivan, William C. L.	60, South Mall, Cork.
Swiney, William D.	Moyagh, Ramelton, Co. Donegal.
Synge, Edward	Estate Office, Dundrum Dublin.
Taylor, George D.	Chestnut Cottage, Market Hill, Armagh.
Townsend, George C.	Cordangan Manor, Tipperary.
*Townshend, Charles Loftus ..	15, Molesworth Street, Dublin.
Townshend, Thomas Loftus ..	15, Molesworth Street, Dublin.
Tudor, William	2, Wellington Place, Belfast.

*Vernon, Fane	Pembroke Estate Office, Wilton Place, Dublin.
Vernon, Henry Arthur	Pembroke Estate Office, 1, Wilton Place, Dublin.
Verschoyle, William Henry Foster	Woodley, Dundrum, Co. Dublin.
Ward, William James	Valuation Branch, Ministry of Finance, 113, Royal Avenue, Belfast.
Warwick, George Ernest	Valuation Branch, Ministry of Finance, 113, Royal Avenue, Belfast.
Welply, James	65, George Street, Limerick.
White, Richard	Estate Office, Gowran, Co. Kilkenny.
Wickham, Edmund Loftus	5, Glentworth Street, Limerick.
Willis, Gilbert de Laval	Leconfield Estates Office, Ennis, Co. Clare.
Wood, Hugh Morrison	124, Rathgar Road, Dublin.
Wood-Martin, Henry Roger Bromhead	Cleveragh, Sligo.
*Young, George Lawrence	Randalstown, Co. Antrim.
Young, Robert Chichester	Millimount, Randalstown, Co. Antrim.

PROFESSIONAL ASSOCIATES:

Balmer, James Brice	139-141, Main Street, Bangor, Co. Down.
Banton, Luther George	54, Iona Road, Glasnevin, Dublin
Craig, Joseph Hugh	2, Howard Street, Belfast.
Darley, Robert Bradshaw	50, The Avenue, Ealing West, W.13.
Dickson, John Andrews	Rockland Villas, Newcastle, Co. Down.
Dunlop, Charles John, M.R.I.A.I.	18, Ely Place, Dublin.
Ferguson, William Harvey	36, Arthur Street, Belfast.
Fowler, Charles Knox	Garrymore, Thong, near Gravesend, Kent.
Gahan, Robert Beresford, Captain	Donaguile House, Castlecomer, Co. Kilkenny.
Hamilton, James Eastwood	16, Lavender Gardens, Lavender Hill, S.W.
Harkness, William Alfred	22, Crescent Villas, Iona Road, Glasnevin.
Harvey, James Morewood	Creglorne, Londonderry.
Lilburn, Harry Kent	Dunedin, Antrim Road, Belfast.
Lowden, David, Jun.	Rangemore, Burton-upon-Trent.
McCann, Felix Charles	c/o Messrs. Montgomery & Son, 2, Wellington Place, Belfast.
Martin, Walter Riddell	Roebuck Grove, Clonskea, Dublin.
Molony, Willington	38, Waterloo Road, Dublin.
Monard, Stanley Hopkirk	10, Donegal Street, Belfast.
Montgomery, Cecil Vincent	43, Upper Beechwood Avenue, Ranelagh, Dublin.
Moore, Hugh Armytage	Rowallane, Saintfield, Co. Down.

Sheridan, William	9, Roe Street, Cliftonville, Belfast.
Stephenson, Chambre Corcor Stillington	Corcastle, Innishannon, Co. Cork.
Taylor, Ernest Frederick Noel	1, Seabank Terrace, Dollymount, Dublin.
Thornton, Samuel West.. ..	38, Cherryfield Avenue, Ranelagh, Dublin.

PROBATIONERS:

McAulay, Bruce	Moyleen, Deramore Park South, Belfast.
McConnell, Robert Melville Terence	Glen Dhu, Strandtown.
Tudor, Cecil William	216, Newtownards Road, Bloomfield, Belfast.

STUDENTS:

Joynt, Richard Desmond ..	9, Castlewood Avenue, Rathmines, Dublin.
Lauder, Henry Hull	26, Parnell Place, Harold's Cross, Dublin.

English Members Resident in Ireland.

FELLOWS:

Hall, Augustus William	129, North Road, Belfast.
Hopkins, Percy Raynes	Valuation Offices, Ministry of Finance for Northern Ireland, Belfast.
Lightbown, Alfred Stuart ..	General Valuation Office, 6, Ely Place, Dublin.
Lisney, Harry	6, Ely Place, Dublin.
Mills, Arthur Ernest..	General Valuation Office, 6, Ely Place, Dublin.
Rogers, Arthur Mechelen, Major, s.r.e.s.	R.E. Office, Fermoy.
Wood, Hugh Reginald	Valuation Office, 113, Royal Avenue, Belfast.

PROFESSIONAL ASSOCIATES:

Bollam, Max	Bessborough Estate, Belline, Piltown, Co. Kilkenny.
Culme-Seymour, Arthur Granville	Estate Office, Clogheen, Co. Tipperary.

DALLOW, LEONARD	26, Cambridge Road, Rathmines, Dublin.
GRAY, JOHN BYWELL	Room 14, 3rd Floor, Mayfair, Belfast.
HALL, HERBERTWILLIAM, A.M.I.C.E.	Assistant Engineer, B. & C. D. Railway, Queen's Quay, Belfast.
HAZLETT, JOHN JOSEPH..	Estate Commission Office, Upper Merrion Street, Dublin.
LEONARD, EUGENE	14, Brighton Road, Rathgar, Dublin.
MARRIOTT, WILLIAM MASON ..	The Manor School, Fermoy, Co. Cork.
SEARLE, GILBERT ODELL	Glenmore House, Lambeg, Lisburn.

ISLE OF MAN.

DOUGLAS.

Fellows :—

Kerruish : William Maltby.
Teare : Joseph Ernest.

Professional Associate :—

Shimmin : William Alfred.

Probationers :—

Corkill : Cecil Starling.
Kennaugh : Thomas Hudson.
Moore : John James McDougall.
Quayle : Wilfrid Taggart.

LONDON BRANCHES.

NORTH WEST LONDON BRANCH.

Comprising the Boroughs of Hammersmith, Hampstead, Islington, Kensington, Paddington, St. Marylebone, St. Pancras, and Holborn, with so much of the City of Westminster as lies north of a line running from the City Boundary along the Strand, Pall Mall, St. James' Street, Piccadilly, Knightsbridge, and Kensington Gore, to the Kensington Borough Boundary.

FELLOWS.

Adkin, Benaiah Whitley
Allsop, Benjamin George Kidston
Austin, Frank Holman
Babbs, Ernest Richard
Baker, Sydney Charles
Ball, James Robert
Ball, William Alfred
Bamford, Walter Herbert
Bare, Thomas Edwin
Barrett, James
Beadel, Maurice Frederick
Bedells, Charles Herbert
Bedford, Charles Edgar
Bennion, Arthur Strachan
Bentley, Harold Edwin
Berry, Charles Windsor
Bingham, Frederick Henry
Binns, Henry William
Bird, Walter
Blois, Basil Frederick
Blount, Edwd., Lt.-Col., C.B.E.
Bolden, John Leonard, M.A., C.V.O.
Booth, Gilbert William
Boulting, Frederick Edward
Bourdas, Arthur Frederick, Capt., M.C.
Bowes, Charles
Boxall, Arthur Burgess
Boyd, John Jermyn
Boyton, Sir James
Bradford, Daniel
Brickwell, Alfred James, C.B.E.
Bright, Tom Spencer
Brocklehurst, Richard Greaves
Brooks, Charles William, A.R.I.B.A.
Brown, Harold Blumfield
Brown, Rupert Blumfield
Brown, William Blumfield
Brown, William Edward
Buckland, Henry Duneau
Buckland, Sidney Crawford
Budgen, William Harold
Burkett-Smith, Cecil Sydney
Burrows, Alfred John
Burton, Gilbert H.
Buss, Fleetwood George William
Callinan, Patrick
Cantley, Robert William
Carnegie, John William Percy
Chattell, Francis Loriot
Chesterton, Sidney James, M.B.E.
Chesterton, Sidney Rawlins
Chew, Henry Victor.
Child, Fred
Clark, Samuel
Clevely, Frederick John
Close, Herbert John
Coade, Cecil James
Coates, Laurence Calvert
Cobb, Herbert Mansfield, C.B.E.
Collingham, John Cyril Lees
Conquest, Claude Duncombe
Cooke, Frederick Roper
Cooper, Arthur John
Cooper, Harry Thomas
Cooper, John Robert
Cope, Henry James
Crampton, Arthur Wesley
Cronk, Charles Tylee
Crosher, Wm. Samuel, M.B.E.
Cubitt, Harry
Cullen, Felix Victor
Culliford, Leonard Arthur, A.R.I.B.A.
Cutler, George Alfred
Dadson, Reginald Thornton, O.B.E.
Dash, Roydon Englefield Ashford
Davis, Arthur Henry
Debenham, Frederic Kersey
Doll, Chas. Fitzroy, F.R.I.B.A.
Drake, Frank Arthur
Driver, Arthur Charles
Dunnage, Gerald Eckett
Durbridge, Ernest
Eachus, Chas. Alfred Eedes
Earle, John Wilfrid
Eiloart, Ferdinand Robert
*Eiloart, Frederick Edward
Elgood, Frank Minshull, O.B.E., F.R.I.B.A.
Ellis, Alfred Cave
Ellis, Frederick

LONDON BRANCHES—*continued.*

Elsworthy, John Gordon
Elwell, William Henry
Evans, Alfred Richard
Evans, Montagu, Capt., M.C.
Eve, Charles Gerald
Fagg, Edwin William
Farrer, John Camplin
Fidgen, Walter Frank
Fleuret, Alfred Harman
Flint, Wm. Hurst
Ford, Lawton Robert
Foster, Edwd. Chas.
Foster, Hy. Oswald
Francis, Leon Albert
Francis, Leon Alfred John
Francis, Reginald Herbert
Frank, Sir Howard, Bart., K.C.B.
Freeman, Archibald Francis
Freyberg, Herbert, M.S.A.
Funnell, Horace Denston
Furber, Henry Aubrey
Galsworthy, Vincent Somers
Garnham, Edwin Alfred Vickery
Garrard, Arthur Norman
Garrood, Thos. Wm. M.
Gibbon, William Jacomb, A.R.I.B.A.
Giddy, Osman Horton
Gillett, Edwd. Bailey
Gimson, Allen
Glasier, Edwd. Brougham
Gooch, Charles David
Goodwyn, Leonard Wm.
Gott, Ralph Edgar
Green, James Hy. Townsend
Griffith, Frank Stanley
Grover, Arthur
Groves, Arnold Tudor
Gurney, Fredk. George
Hadden, Harry Harold
Hadland, Gilbert Henry
Hall, Vernon Manning
Harding, Chas. Reginald, Major
*Harper, Sir Edgar Josiah
Harris, Edwd. Charles
Harrison, Leonard Charles
Haydon, Reginald Ernest
Head, Harold George
Head, John George
Hennell, Charles Murray
Henson, Frederick Jasper
Hicks, Stanley
Higgins, George
Hingston, Frederic William
Hodgson, Harry Moore
Horne, W. Edgar
Houghton, John Henry
How, Herbert
Howard, Edmund
Hughes, Henry, O.B.E.
Hunt, John, F.R.I.B.A.
Hunter, James Douglas
Ibbetson, Thomas Henry
Jacob, Louis, A.R.I.B.A.
James, George Ernest
Jarmain, William
Jarvis, Lawrence Alfred
Jennings, Fitz Laurence Percival Dudley
Jewell, Arthur Edward
Johnston, Reginald
Jonas, Harold Driver, O.B.E.
Jonas, Harry Marshall, C.B.E.
Jonas, Henry
Jonas, Samuel Marshall
Jones, Henry Arthur
Jones, John Fox
Josling, Ernest George Arthur
Kennard, Laurence
Kennedy, Richard Percival
Kerr, J. Scott
King, Harry E.
Kisch, Augustus Maitland
Kislingbury, Arthur Vernon
Knight, George Edwd.
*Lake, Cuthbert
Lambert, Godfrey Charles
Langdon, Horace William
Lansdown, George Arthur
Lansdown, Harold
Latham, Albert Tummons
Latter, Charles William
Lawrance, John, Junr.
Lawrance, Walter
Lawrence, William Robert
Leake, Robert
Leaning, Aubrey Rupert Sidney
Leaning, Henry John
Leaning, Wm. Arthur
Lee, John Wilfrid
Lofting, John Brien
Lofts, Henry Fairlam
Lucas, John Clay
Luker, Dyneley
Lynam, Richard Blowen
McEwen-Waghorn, Arthur Ewan
Mallett, John Graham
Mann, Charles John
Mann, Robert Bagshaw
Markham, Christopher Wm. O'Leary
Marsh, John Wilton
Martin, Harrison
Martin, Samuel
Martin, Victor Callingham
Maskell, Reginald
Maslen, Thomas Patrick Vincent
Mason, Chas. Wm. Hayley
Mathew, Robert Charles

LONDON BRANCHES—*continued.*

Matthews, Douglas Samuel
Matthews, Maurice Kershaw
May, William Stokes
Messenger, Henry
Middleton, Reginald Empson, M.I.C.E.
Miller, John Joseph, A.R.I.B.A.
Moody, Thomas James
Moore, Ernest Llewellyn
Moore, Harold Edward
Morgan, Thos. Edwin
Motion, Sidney Herbert
Mundell, Joseph Edwd., A.R.I.B.A.
Murray, John, F.R.I.B.A.
Myers, Legender William
Neighbour, Wm. Francis
Newbery, George Herbert
Newborn, Chas. Reginald
Newman, Samuel Frank
Newmarch, Henry Charles
Nicholson, Guy Murray
Nicol, Frank Claude
Nixon, Ernest Dermot
Norman, Chas. Fredk.
Norman, Herbert John
Nunn, Samuel Thomas
Oakley, Sir John Hubert
Orgill, John Berwick
Orpen, Alfred
Ovenden, Harry
Paine, Sydney Arthur
Parker, Archie Montgomery
Parker, Charles Alfred
Parkhouse, Samuel
Parry, Richard, B.Sc., A.M.I.C.E.
Parsons, John Douglas
Paton, David Llewellyn
Paull, Alan
Pearman, Francis May
Peebles, Joseph
Pease, Charles Edwd.
Pilditch, Sir Philip Edwd., M.P.
Platt, John Crawfurd
Porter, Oliver John
Potter, Herbert George
Pridmore, Arthur Stirling
Prower, Ernest Edward
Rex, Francis Herbert
Rex, Francis Nicholson
Richardson, Ernest Edward
Riddle, Frederick Henry Brimble
Rider, Sydney Franklin
Ridout, Harold
Robertson, Clement Albert
Robinson, Henry Herbert
Robinson, Parker
Robinson, Theodore Richard
Rogers, Montagu Stanley
Roods, Alfred
Rookwood, Joseph
Roper, Robert Garwood
Ruault, John Gustave Peter
Rushworth, Edmund Walter
Sainsbury, William Charles
Sanders, Robert Massy Dawson
Saunders, Arthur Percival
Saunders, Chas. Herbert
Saunders, Frederic
Savill, Sir Edwin, O.B.E.
Savill, Henry Norman
Sayer, Harvey Robert, A.R.I.B.A., A.M.I.C.E.
Selby, Frank
Sexton, Geo. Alexander
Shackle, Edwd. Neild
Shephard, Joseph Ernest
Skrimshire, Samuel
Slade, Arnold
Smalley, William
Smart, James
Smith, Edward
Smith, Henry
Smith, Sidney
Smith, Sydney Arthur
Solomons, Ernest Albert
Sprague, Alfred James Highmore
Spyer, George, O.B.E.
Stone, Edward Albert
Stower, Joseph
Strachan, Charles John
Summerfield, Joseph Charles
Sutton, Frederick Stanley
Symes, William Charles
Tanner, Arthur Ralph
Tanner, Sir Henry, C.B., I.S.O., F.R.I.B.A.
Tarrant, Henry George
Taylor, William Ling
Theobald, John Medows
Thomas, Charles John Howell
Thorne, Edward Alexander
Trehearne, Alfred Fredk. Aldridge
Trepplin, Ernest C.
Trumper, John Alfred
Tyser, Grafton Leslie
Veit, Leonard James
Venning, Harry John, A.R.I.B.A.
Vine, Wilfrid Gordon
Waggett, Thomas Frederick William
Waite, Donald Mowbray
Walsh, Frederick Leopold Morfee, Capt.
Walsh, Frederick William
Walters, The Rt. Hon, Sir John Tudor
Ward, John Charles
Warmington, Herbert Andrew
Watkins, John Hugh

LONDON BRANCHES—*continued.*

Watson, Frederick Percy
Webber, William Henry
Webster, George Arthur
Wells, Sir Wm. Henry
West, Chas. Henry Edward, F.R.G.S.
West, Herbert James
Whiddington, Stanley Dunford
Wildman, John Tom Robinson
Wilks, Clement
Wood, Douglas, A.R.I.B.A.
Wood, John Daniel
Woodward, Wm., F.R.I.B.A.
Young, Morgan Henry
Young, Sidney Michael
Young, Thomas

Professional Associates.

Addey, Frederick Arnold
Adkin, Benaiah Colson
Allison, William
Bagnall, Edward George
Bain, Archibald Williamson
Baker, Alfred James
Baker, George Henry
Baldwin-Wiseman, Wm. Ralph, M.S.C., F.G.S., A.M.I.C.E.
Bates, Arthur Roger Albert
Beard, Philip Arthur Edgar
Bedells, Herbert Sydney Grafton
Bescoby, Harry Bernard
Bird, Augustus Gordon
Bird, Stanley Parker
Bishop, Ernest William
Blessley, Victor Henry
Boyton, Frank Alric
Brown, Wm. Lobin Trant
Bryans, Maurice Edward
Buckmaster, Herbert Hambleton
Burgess, Haydn Mervyn Rhys
Burkitt, Cecil
Butler, Thomas Lionel
Caton, Thomas Linfield
Chapman, Donald Le Cronier
Cheesewright, Ernest
Chew, Percival Thomas
Chew, Richard, Major
Chilcott, Arthur Samuel Fairweather
Church, Geoffrey Redmore
Clark, Charles Fowler
Clark, Cuthbert Harvey
Clark, Herbert
Clinch, E. A.
Coigley, Harold Richard
Coker, Ralph Hector
Concanen, Tholen Alfred Hugh
Coombe, George Arnold
Cooper, Bertie
Cope, William George
Cossins, Charles George
Coucher, Alfred Edwin Reneson
Cox, Douglas Harold
Cox, Norman Wilkinson
Crook, Hollis Augustus
Croser, Archibald William
Cross, Pembroke Henry Cockayne
Crosse, Stanley Howard
Cubitt, Horace Wm., A.R.I.B.A.
Curtiss, Edward Herbert
Dakers, David
Davies, Arthur
Davis, Albert John
Davis, Charles Harold Read
Davis, Francis Robert Edward
Dickin, Edward Lyndup
Downie, William Arthur
Edgson, Walton Stanley
Eve, John Douglas Trustram
Falkner, Frank Ninus
Finch, George Frederick
Fleming, Herbert Sidney
Fleury, Francis George
Ford, C. Graham
Foster, Walter
Fowler, Arthur
French, A. Martin
Frey, Henry
Furber, John Oscar
Gillett, Sidney Eric
Golby, Robert Edmund
Gore, William Joll
Goulder, Arthur Christopher
Gray, James Arthur
Green, Samuel Leroy Townsend
Gregory, Wallace James Ignatius Daniel
Hadden, Frederick William
Hall, Montague Preston
Hammond, George Addison
Harding, Frederick Allcroft
Harrington, Frederick Josiah
Haughton, Cecil
Hay, Cuthbert Joseph Capt.
Hayward, Joseph
Hayward, William Hansell
Heeley, Norman
Hicks, Stanley Vyvyian
Hockley, George William
Hoggarth, Wm. Edward Thomas
Holiday, William Garnet
Holmes, John Edward
Holt, Walter James
Horton, Edward William
Houghton, John Henry
Howard, Albert Percival
Howell, Ernest John
Howell, John Denison
Hughes, Basil, A.R.I.B.A.
Hughes, Leslie

LONDON BRANCHES—*continued.*

Hughesdon, Gerald Edward
Hutchings, Sir Alan, K.B.E.
Ingham, Walter
Inman, William Charles
Jonas, Harry Carter
Jones, Gerald Francis, O.B.E.
Jones, Ronald Kelsey
Keen, Arthur Auger
Kelleway, Herbert Davies
Kelly, Arthur Ralph
King, Frederick Augustus
King, Herbert Walter
King, Noel Ward
Kirby, Carl Frederick George
Lamb, Charles Alfred
Larkin, Richard Webster
Lawrance, David Malcolm
Lodge, Arthur Frank
Lone, R. Wilcox, A.R.I.B.A.
Lovell, George Raymond
Lovell, Sydney Valentine Sillence
McCabe, Arthur William
Mackenzie, Hector John Maxwell
Maile, Sydney Herbert
Marns, Albert Henry
Mathews, Frederick Terry Douglas
Maxwell, Herbert William
Mayhew, James
Mennie, Frederick Edward, A.R.I.B.A.
Merrett, Arthur Saywell
Morgan, Ernest William
Mumford, Frank Septimus
Mussared, William John
Odell, John Frederick
Orr, Robert
Pattinson, Jeffrey
Pearce, Charles Frederick
Perry, Evelyn Ellis (Miss)
Perry, Henry
Pettett, Herbert Charles
Pewtress, Herbert Wilmshurst
Pickersgill, Alfred
Pilditch, Philip Harold
Plumb, Francis Clarkson
Pope, Herbert Burgham
Prior, Gordon Stewart
Purry, Ernest Stephen
Puzey, Sidney Theodore
Quirke, Raymond Fitzwilliam
Rampton, Percy William
Ransom, Thomas Reginald
Reavell, Charles Asquith
Remnant, Eustace Archibald
Reynolds, Kenneth Charles Rees
Rhys, John Percival
Richardson, Ernest Gilbert
Richardson, William Edward
Ringland, William Ewart
Rivers, Frank Wilfred
Rose, Sydney George
Rossiter, William Clark
Ruthen, Ernest Sidney
Savill, Edwin Lydall
Savill, Eric Humphrey
Scanlan, William Henry
Scarsbrook, Reginald George
Scott, Albert Clarke
Seabrook, Ernest Carden
Sheppard, John Mortimer
Silver, Gordon
Slipper, Reginald Owen
Smith, Arthur Kitson
Smith, Geoffrey Howard
Smith, Walter Daniel
Souray, Edwin Guy
Sparks, William Henry
Spiller, Ernest William
Spink, James
Stenholm, Adolph Henning
Stones, Charles Edgar
Stredder, Cecil Alfred Edward
Sturt, Leslie
Symonds, Reginald Ernest
Tanner, William Hugh
Taylor, John Francis White
Thompson, Henry Clarence
Thompson, Joseph Atherden
Thomson, Herbert D.
Tidey, Herbert Gordon
Timbs, Arthur Claude
Tivendale, Thomas
Tombs, Leonard Elliott
Tomkins, Hugh Charles
Tomkins, Samuel Edward
Trollope, Robert John
Tyler, William Bott
Tyrer, John Morgan Howard
Vaughan, William Redvers
Waggett, Cyril Frederick Wm.
Walker, George Norman
Wallis, Austin Serjeant
Walters, Percy Thomas
Waters, Ivor Arthur
Watt, Sydney Charles
Watts, Francis Henry
Wheeler, Reginald Harry
White, Roynon Hansford
Wildman, Herbert Robinson
Williams, John Pritchard
Williams, Peter Lloyd Armstrong
Williams, Richard John
Willmott, James Perceval
Willoughby, Charles Albert
Willoughby, Charles William
Wood, Arthur John
Woodroffe, Norman Frederic
Woolf, Emanuel, M.A. (*Cantab.*)
Wynne-Jones, Eric

LONDON BRANCHES—*continued.*

Yates, Wilfrid Archibald
Yorke, Maurice Francis

ASSOCIATE.

Watson, Willliam Ernest.

PROBATIONERS.

Ackland, Horace Albert
Arnold John Stanley
Barnett, Harold Samson
Brookes, George Charles Richard
Caines, Harold John
Cheney, William Stanley
Cosway, Hewett Linton Gilliam
Fordham, Christopher Maddox
Foster, Kenneth Edward
Galsworthy, Peter, Capt.
Garrard, Norman Arthur
Gillis, James
Hoddy, Albert Arthur Victor
Hunt, Charles Harman
Malkinson, Bert William
Nicholls, Phillip Claude
Palmer, Godfrey Bennett
Perkins, Walter Mottram
Richmond, Hubert Inglis
Roberts, Albert Edward
Rubens, Alfred
Swynnerton, Frederick Richard

STUDENTS.

Angell, Francis Leslie
Grayson, Henry Gladwyn
Holmans, Leonard Charles
Mann, John Robert Bagshaw
May, Harold George
Newman, Philip Arthur
Otter, Joseph Reuben Harry
Pipe, Albert William
St. John, Reginald Arthur
Thomas, Geoffrey Rivers
Watson, John Arthur Fergus

LONDON (SOUTH WESTERN) BRANCH.

Comprising the Boroughs of Battersea, Chelsea, Fulham, Lambeth, Southwark, and Wandsworth, with so much of the City of Westminster as lies south of a line running from the City Boundary along the Strand, Pall Mall, St. James' Street, Piccadilly, Knightsbridge, and Kensington Gore, to the Kensington Borough Boundary.

FELLOWS.

Addiscott, Henry Hugh
Allpress, Horace Edward
Arnall, George
Bacon, Frederick Joseph, C.B.E.
Banks, John William
Barber, Harry Percy
Bare, Robert George
Barker, Horace Richard
Batzer, Albert Edward, A.R.I.B.A.
Baylis, Albert Edward
Baynham, Edmund Christopher
Beale, Robert J., A.R.I.B.A.
Belfrage, James Herbert, A.R.I.B.A.
Bennett, Reginald Henry Wapshott.
Bennison, Roland Edward
Berry, Charles Windsor
Betenson, Frederic Roger
Bevan, Roland Stanley
Bolam, Charles Godfrey
Bonds, Joseph Arthur
Bradley, Henry Edward Manning, M.B.E.
Bressey, Chas. Herbert, Lt.-Col., O.B.E.
Briant, Bernard
Briant, Robert
Brighten, Claude William, O.B.E.
Brighton, George Lawrence
Broad, Gordon Leslie, Major, O.B.E., M.C., A.R.I.B.A.
Brown, Alexander Burnett
Brown, Clarence
Brown, George Turville
Brown, Leonard
Brown, Norman Ernest
Brown, Westgarth Forster
Brown, William Henry
Browne, Hugh Gillespie
Buller, Francis Charles
Bunn, Henry Leeson
Burgess, Hy. Herbert Philip
Burmester, John Wm. Stanley, F.R.I.B.A.
Burton, Reginald Robert
Buss, Harold George
Bywaters, Percy
Cable, James, M., A.R.I.B.A.
Caesar, Charles Edward
Callow, George Daniel
Carless, Thomas James
Carpenter, Alfred Joseph
Chapman, John Frank
Chappell, Frank Richardson
Chidgey, Hugh Thomas Arthur
Cima, Gerald Joseph
Claridge, William David
Clark, Alfred Henry
Clarke, Ernest Seymour, Capt.
Clarke, Percy Henry
Clutton, John Henry

LONDON BRANCHES—*continued.*

Cobb, Henry Frederick, Col., C.B.E.
Cole, Francis Joseph, M.B.E.
Cole, Herbert Covington, Colonel, C.B.E.
Commin, Frederick James
Cotterell, Albert Player Isaac, M.I.C.E.
Coy, Fredk. Wm. Foster
Cresswell, John Theodore Ross
*Cross, Arthur George
Dadd, Chas. John Thomas
Darch, John
Dash, Roland Ashford
Davidge, William Robert, F.R.I.B.A., A.M.I.C.E.
Davis, William Edward
Davson, Alan Warburton
Deacon, Thomas Mark
Dearle, William Walker
De la Quintana, Carlos Ygnacio Elias
Dendy, William Cooper
Dinwiddy, Donald
Dollar, Peter, A.R.I.B.A.
Douglas, Jas. Wightman, Major, D.S.O.
Downing, Frederick
Downing, Hy. Philip Burke, F.R.I.B.A., F.S.A.
Drower, Edmund Gilbert
Drower, John Edmund, C.B.E.
Dunt, John Harlow
Egerton, Hubert Decimus
Elton, Percie Ian, A.R.I.B.A.
Endicott, Albert
England, Harry
Eve, Sir H. Trustram, K.B.E.
Eyles, Charles Henry
Fairchild, Edward James
Farmer, Hugh Cecil
Faux, Charles James
Few, Harry Edward
Field, Charles Roland
Fielder, Charles Lavington
Ford, Richard Dickins Lancelot
Foster, Henry Helm
Foster, William Frederick
Fowler, Cyril James
Francis, George Futvoye
Geen, Walter, M.A. (*Cantab.*)
Gifford, Egmont Augustus
Giller, Charles Fredk.
Gledhill, James Herbert
Gledhill, Sidney Verity
Glover, Henry Alexander
Godding, Frank Horatio
Goodchild, Walter Charles
Graham, Henry Cecil
Griffin, Harold
Griffin, Harold, Junr.
Gripper, John Bell
Hale, Harry Barnes
Hale, Raymond Henry
Hall, William James
Hall-Jones, Fredk.
Hamlyn, John Arthur
Hardcastle, Fredk. Hy. Appleton
Harris, Douglas
Haskins, Frederic Cyril, Major
Hayward, Thos. Wm. Alfred, A.M.I.C.E., M.I.M.E.
Healing, Oswald Judd
Heath, Henry Cubitt
Heathcote, Ernest Grigg, F.R.I.B.A.
Henniker, Fredk. Sibert
Hibbert, Joseph Victor
Hine, Ernest Daryll
Hodges, Arthur Pool
Hookey, Reginald Edward
Hooper, Augustus Shelton
Hovenden, Jack Reginald
Howard, Alfred
Hughes, Ernest William
Hugman, Charles Eady
Hunt, Frank Wm., C.V.O.
Huson, Ernest William
James, Frederick John, M.B.E.
Jenkinson, William Wilberforce
Johnson, Bernard Marr
Johnson, Henry James
Johnstone, John Thomas
Jones, Percy Everley
Jones, Thomas, M.I.C.E.
Keay, Raleigh William McLaren
Kirk, John Wright
Knibb, Fredk. Chas., M.B.E.
Knight, Fredk Wm.
Knowles, George Potter, M.B.E., B.Sc., A.M.I.C.E.
Lambert, Edwin Emmanuel
Leather, George Herbert
Leest, Fredk. Chas.
Leonard, E.
Leslie, Henry George, A.R.I.B.A.
Long, Leland
Lunn, W. H. H.
Madge, Wilfrid
Maltby, Charles Midlam
Mann, J. Bagshaw
Martin, Howard
Melrose, Frank
Mendham, John Bernard
Merrett, Harold Thrift
Merrett, James
Millen, George Robert Menelaus
Morris, Richard Percival
Morrison, Charles Archer
Mumby, Elvin Fowler

LONDON BRANCHES—*continued.*

Mumby, Thomas Neville Camomile
Myers, Albert Robert
Naylor, John Stuart
Overall, Edmund
Palmer, Wm. Edwd. King, A.R.I.B.A.
Parker, John
Parr, Eustace Tolefree
Parry, Albert Edward
Patching, Edwd. Glencairn
Paul, Andrew
Paul, Henry
Peel, Edward Laurence
Pepler, George Lionel
Perks, Hugh Earl
Phipps, Frederick Reginald
Pinks, Edwin Charles
Porter, Sydney Lawrance
Powell, Fredk. Atkinson
Price, Capel Hereward
Price, Richard Arnold
Prichard, Thos. Francis Vaughan
Pritchard, Henry A.
Rawlence, Duncan Alfred
Reekes, Charles Rupert
Rice, Edward
Richards, Arthur Walter Trollope
Riley, Henry
Robins, Philip Seymour
Rogers, Horace Mordaunt
Rogers, Vivian Burry, Major, D.S.O. M.C.
Ross, Percy Havery
Ruddle, Fredk. Chas.
Rudler, Frederick George
Ryde, Arthur Lyon
Ryde, Edwd. Humphrey Noel
Ryle, Herbert, O.B.E.
Sadler, Geo. Wm., A.R.I.B.A.
Salmond, Stewart
Sargant, Frank Ellison
Selby, Ernest Harry
Selwyn, William Ingram
Sherwin, Henry Edward
Sherwin, Joseph Henry
Silcock, Edward John, M.I.C.E.
Silvester, George
*Skipper, Henry Herbert, M.B.E.
Smith, Jonas Walker
Smyth, John Henry
Sneath, Frank Edgar
Spensley, James Calvert, O.B.E.
Staley, Frank Geoffrey, Capt., R.E.
Stanford, George
Stevens, Charles Vivian
Stevens, Wm. Fredk. Hood
Steward, Clifford Thomas
Steward, Herbert Arthur
Stewart, Harry S., A.R.I.B.A.
Strachan, Robert Gordon
Strouts, Lewis Herbert
Tanner, Rudolph
*Taylor, Arthur Wm.
Taylor, John James
Thomas, Bernard Campbell
Thomas, Charles John Howell
Thompson, Francis Longstreth
Thompson, Frank Cowburn
Thurgood, Leonard Fielder
Thynne, Guy Harry
Thynne, Reginald Lambert
Timperley, George Kenyon
Tinslay, Thomas Percival
Tracy, Chas. Fredk.
Trench, Gilbert Mackenzie
Trollope, Henry Charles
Turner, Hamilton Hall
Tyas, Frederick Chapman
Varndell, Charles Edward, F.R.I.B.A.
Waghorn, Gilbert
Wakeford, Arthur James
Walder, William Searcy
Wapshott, Francis Ellis
Watson, Ernest
Webster, Frank Coutts, O.B.E.
Weston, Francis
Wheeler, John Henry West
Whitaker, Fredk. Archibald
Whitten, George Jackson, M.B.E.
Widdowson, George Clifford
Williamson, Henry Burcombe
Wreathall, Robert T.
Young, Herbert Henry

Professional Associates.

Abrams, George Herbert
Adams, Herbert
Apthorp, Arthur Leonard
Arscott, Leonard Charles
Arnold, Arnold Keith
Avey, John Willian, N.D.A.
Bailey, Arthur Ronald
Baker, Henry Thomas George
Banham, Edward Longley
Barker, Horace Thomas Searle
Bathurst, Frank Victor
Beck, Herbert Edgar, B.A.
Beckham, Arthur Arkell
Bennett, Arthur Thomas
Blake, John Patrick
Bosher, Victor Evans
Breton, Bertram Walter Frederick
Briggs, Alfred Denbigh
Briggs, John
Brown, Arthur Frederick
Brown, Leonard John
Bull, Thomas Henry

LONDON BRANCHES—*continued.*

Buller, Frederick Arthur
Burge, Arthur John
Burstal, Arthur Cyril
Burton, George Frederick
Carless, James Kingdon
Carter, Charles
Castell, Douglas Charles
Cattlin, Osmond, A.M.I.C.E.
Clack, John
Clarke, Vincent Cooper
Cobb, Henry Alfred William
Coffin, Bertram Gilbert
Cole, Joseph Charles
Collard, Percy William
Cooper, Cecil Francis Adrian
Curtis, Frederick John
Davey, Edwin Clissold
Davies, Percival Leopold Lawrence
Davies, Thomas Walter
Davis, Reginald William John
Davis, William Winwood
Davy, Clifton Robert, F.R.I.B.A.
Dawkins, Albert James
Dickie, Albert George
Dobson, Charles George
Dodgshon, Edmund Charles
Drew, Sydney Vernon
Driver, Ellis Samuel
Duff, Robert Duncan
Dunch, Charles Robinson
Elliott, Reginald
Everett, Arthur Sherman
Fenn, Harold Theodore
Fife, James Donald
Flood, Alfred William
Foat, Harry Alex.
Foster, Gaius
Fox, Walter Edward
Franklin, Herbert John
Freeman, Frank Condy
Fresson, Kenneth Edward
Freuer, William Samuel
Gerrard, George
Grant, Leslie Thomas
Grimwade, Frederick Clive
Grove, Richard Thomas
Hames, Percival James
Hamilton, Edward
Hamilton, James Eastwood .
Hannan, Guy Norton
Hannon, John Michael
Harding, George Pool
Harrington, Charles Poland
Harris, Wilfred Henry
Harris, William Murray
Harvey, William Ayton
Hayward, Arthur Baldwin
Head, William Alfred
Heath, Sidney Howard
Henderson, Percy Charles
Hendra, Albert John
Henry, Edward Hugh
Hirst, Charles Henry
Hodson, Frederic Henry
Hooper, Arnold Fielder
Horder, Gerald Morley
Hosking, Thomas Stanley
Howell, Charles Gordon
Hutchinson, William Hamilton
James, William George
Janes, Walter Joseph
Jeckells, William Augustus
Jenkins, Ralph Emerson
Johnson, Percival Leonard
Jones, Harold Newton
Joyce, Horace Francis
Kennard, Frederick Harrison
Kibblewhite, Henry James Treleaven
King, Dudley Bertram
Knowles, Clifford Cyril
Ladd, Walter Willoughby
Lamprill, William Thomas
Lane, Frederick Charles
Laweson, Ray Carlon
Le Sueur, Arthur Denis Carrington
Lickis, Leonard
Lloyd, Hugh Bernard
Logsdon, Horace Stewart
Machattie, John Macintosh
Mager, Sydney, C.B.E.
Mann, Alfred Henry
Marsh, Ernest George
May, Frank Sidney Edward
Medlock, Sydney Gordon
Meredith, Percy William
Meysey-Thompson, Algar de C. C.
Millar, John
Miller, Frederick William
Milnes, Robert
Mitchell, Stephen George
Mitchell, William
Moody, Francis Tyrell
Morgan, Herbert Woosnam
Murray, Arthur Malcolm
Myhill, Frederick Robert
Newman, Walter Philip
Nicholson, John
Nicholson, Thomas
Nightingale, Arthur Leslie
Norman, Eric Frank
Nutchey, Edward Albert
Nye, George Vincent
O'Connell, Patrick Joseph
Oliver, Harry Hutt
Oram, Emmanuel Joseph
Parker, Frederic William
Parnacott, Arthur Charles

LONDON BRANCHES—*continued.*

Parratt, Albert Martin
Payne, Frederick George
Payne, William Bradley
Pearce, Stephen Harvey
Pearson, Frederick George
Phillips, William George
Phillips, William Ritchie, Capt.
Pilkington, John Mulock
Porter, Harold
Power, Richard Reilly
Price, Gilbert Rhys
Pusser, Daniel Robert
Putt, Edward Pomeroy
Quarmby, Charles David
Ramsay, Weston
Rayner, Henry Joseph
Read, Albert Edward
Rean, William Henry, O.B.E., A.M.I.C.E., M.I.M. & C.E.
Reed, Frank Underhill
Reed, Stanley Gordon
Richardson, Arthur Reeves
Richardson, Frederick
Riley, Charles Henry
Robbins, Walter Francis
Robertson, Donald George
Robinson, Leslie
Rowell, Clifford William
Runtz, Ernest Munro
Saunders, Leslie
Sharp, William Alfred
Sherwin, Cyril Joseph
Simpson, Victor H.
Skeen, Ernest Alexander
Smith, Ernest Disraeli
Smith, Leonard Drury
Spencer, Francis Augustus
Stapleton, George Aubrey
Stevens, Gilbert Major
Stevens, Roland Honyel
Stimson, Douglas Cecil
Stimson, Edward Frederick
Stimson, Herbert Percy
Stott, Charles Granville
Stroud, Albert William
Surrey, Christopher William
Swan, Harrold
Swinstead, Bernard Ralph
Talbot-Ponsonby, Arthur Hugh Brabazon
Taylor, Walter H.
Templeton, Stanley James
Thomas, Alfred William
Thomas, Wm. Reginald
Thompson, Alfred Alexander
Thompson, Frederick William
Thornley, Harold Victor
Tickle, Ronald Glen
Tobias, Maurice
Tydeman, Arthur Edgar
Ward, Lionel Eric
Warren, John Watkin
Waters, Albert Edward
Watts, Frederick Spring
Weaver, Lionel Hunter
Wells, Leslie Stuart Dean
Wells, Reginald George
West, Terence Colin
Westrope, Victor Russell
Wetenhall, Edward Box
Wheeler, Ernest Bostock
Whitney, Eustace Scott
Whittington, Harold Norman
Wickenden, Arthur Fred
Wilks, Mark
Windemer, Olaf Sydney
Windle, Frederick
Woolcock, William Thomas Harry
Worters, Charles Cowley
Youngs, Sidney

Associates.

Barry, Charles Edward
Courthope, George Lloyd, Lt.-Col., M.C., M.P.
Dibdin, Lewis George
Graham, W. Vaux, M.I.C.E.
Grantham, Richard Fuge, M.I.C.E.
Gwyer, Maurice Lenford, C.B.
Hamer, Herbert, Major R.E.

Probationers.

Bignell, Arthur Robert
Bishop, William Thomas
Black, Cyril Wilson
Blissett, Frank Charles
Dangerfield, Henry Charles
Dignasse, David Rex
Hall, Samuel Chevin
Hawkins, George Wilfrid
Hill, Eric Cuthbertson
Hill, Robert William Lewis
Lamb, Louis Cecil
Meering, Sydney Edward
Porter, James William Richard
Renny, Frederick Charles
Roberts Bryn
Stacey, James Donald
Thompson, James Arthur

Students.

Eason, Edward Bruton
Haag, Henry Leonard
Hill, Albert James
James, Bernard Edgar
Johnson, Kenneth Marr
Morgan, Frank Richard
Plaskett, Frederick William
Poulton, Edward John
Wheeler, Ella Florence (Miss)

LONDON BRANCHES—*continued.*

CITY AND EASTERN LONDON BRANCH.

Comprising the City of London and the Boroughs of Bermondsey, Bethnal Green, Camberwell, Deptford, Finsbury, Greenwich, Hackney, Lewisham Poplar, Shoreditch Stepney, Stoke Newington, and Woolwich.

FELLOWS.

Adams, Henry, M.I.C.E., M.I.M.E.
Anderson, Douglas
Arno, Samuel
Ashbridge, Prentice Moore
Aylen, Cecil Hugh
Bacon, Frank
Baddeley, Bernard Beresford
Ball, Adam John Loughborough
Ball, Adam Kirk
Ball, Charles Edward
Barnes, Harry
Barns, Stephen Allen, M.B.E.
Bartholomew, Charles Fredk.
Barton, Sydney Fredk.
Batstone, Rowland Robert
Baxter, George
Bevan, Septimus
Biggs, Walter Woodbridge
Bliss, Francis George
Blomfield, Charles Edward
Breach, Benjamin I'Anson
Brock, Frederick Willie
Brooks, John McMullen
Brooks, Philip Fuller
Brown, Edwd. Otto Foster
Brown, Frank
Bull, Walter
Burn, Sir Joseph, K.B.E.
Burnett, Sir David, Bart.
Burnett, Leslie Trew
Burr, Fredk. Malcolm
Canham, Ernest Reginald, O.B.E.
Chandler, John
Chapman, Arthur Henry
Charles, Richard Dudley Stafford
Charles, Richard Stafford
Chichester, Richard Herbert
Christy, Archibald Ernest
Clarke, Stanley Chatfeild
Clarkson, Wm., Junr.
Collier, Arthur Charles
Collier, Henry Hewett
Collins, Marcus E.
Conder, Alfred, F.R.I.B.A.
Cooper, John Robert
Courtenay, Charles Philip
Cranfield, William Bathgate
Creasey, John Rogers, Junr.
Culver, Herbert George
Currey, Harold Wynne
Dangerfield, Thomas Samuel
Dannatt, Percy Boothroyd, A.R.I.B.A.
Daubeney, Charles Archibald, F.R.I.B.A.
Davey, John
Daw, Herbert Warwick
Daw, Sir William Herbert
Dawes, George William Francis
Desch, Ernest Conway
Dibdin, Robert John
Drew, Stanley Thomas
Duncan, James Morrison
Dunn, Sir Wm. Hy., Bart.
Dunsmore, Gilbert
Dyball, Harvey
Dyer, William Fanstone
Dyer, William John
Eason, Edwd. William
Ellis, Ralph Staples
Ellis, Richard Adam
*Eve, William Harold
Everington, John
Farnan, Henry Richard
Farrer, Fredk. Robert
Flatt, John Alexander
Fletcher, Sir Banister Flight, F.R.I.B.A.
Ford, Charles John
Ford, Francis Curtis
Fox, Sidney Joseph
Franklin, Arthur Thomas
Freeman, Sydney
Gale, Ernest Sewell
Gleed, Percival Francis
Gleed, Richard Cummings
Goodman, Alfred
Gordon, Alexander
Goulding, Arthur
Gray, Horace Norman
Gray, John Vincent
Green, Fredk. Algernon
Griffin, Alfred
Griffin, Harold
Griffin, Harold, Junr.
Gunton, William Henry
Hammond, Frederic Snowden
Haskins, Wm. Albion
Hassett, Reginald Charles
Hewitt, Frank
Hickson, Stephen Westby
Hobson, Fredk. Wm.
Hobson, Reginald Beresford
Hood, Herbert Charles
Hood, Walter Richard
Horsey, Fredk. John Terry
Hovenden, Henry Edwards
Howland, Arthur Frank

LONDON BRANCHES—*continued.*

Huggins, Ernest George
Jenkinson, Wm. Eric Leigh
Jennings, Daniel Strachan
Johnson, Henry
Jones, Wm. Campbell
Joseph, Delissa, F.R.I.B.A.
Kemsley, William Hugh
Kent, Geo. Nathaniel
Kersey, Alex. H., F.R.I.B.A.
Knight, Edgar Walsh
Knowles, Leslie S.
Lambert, Arthur Peploe
Lamond, John, A.M.I.C.E.
*Lancaster, John Roy
Lang, Augustus Bernard Dashwood
Langridge, Walter Fredk.
Little, Henry
Lovegrove, Gilbert Henry, F.R.I.B.A.
Lowries, William John
Lucas, Arthur Littlejohns
Luffingham, Wm. John
McDougall, William Wight
Mackenzie, Charles Evernden
Marks, Hyman
Matthews, Harold Scobell
Melvin, Charles John
Mercer, Charles Edwd.
Mew, Robert Heath
Monckton, Henry Percival, F.R.I.B.A.
Monson, Edwd. Chas. Philip, F.R.I.B.A.
Moore, Alfred
Morter, Henry Arthur
Nicholson, Wm. Abernethy
Notley, Richard Albert
Ovenden, Charles
Oxley, Harold
Palmer, Frederick Charles
Palmer, Fredk. Charles Richard
Parr, Samuel George
Perkins, Samuel Barclay
Perks, Sydney, F.S.A., F.R.I.B.A.
Peters, James
Preston, Samuel David
Pridmore, Albert Edward
Protheroe, Alfred Ernest
Purvis, Charles James
Rawlins, Henry Adair, A.R.I.B.A.
Rawlins, William
Read, Ernest James
Read, Francis Charles Jennings
Rhodes, James Norman
Rice, Benjamin Louis
Richards, Walter Rowe
Richardson, Arthur Bayliffe
Ridley, Percy Edward
Rubens, Harry Isaac
Ruddle, George William
Russell, Humphrey Gladstone
Rutley, Frank
St. John, Louis Fredk., Capt.
Salmon, Joseph Harold, M.B.E.
Sands, Hubert Covell, Lic.R.I.B.A.
Sayer, Henry Taylor
Sedgwick, Percy George
Sheffield, Noel Dennis
Shepherd, William
Silvester, Arthur
Skelt, Frederick Mitchell
Slade, James Benjamin
Smith, Charles Gordon
Smith, Frank Adams, F.R.I.B.A.
Spencer, George
Spooner, Herbert John
Stanham, George Gordon
Stanley, Harry Merridew
Stenning, Sir Alex. Rose, F.R.I.B.A.
Stephenson, George
Stevens, John Wm., A.R.I.B.A.
Stevens, Nicholas Richard
Stoner, Alfred Hills
Story, Philip Francis, Lt.-Col., D.S.O.
Taylor, Alfred Cecil
Tee, Samuel Clifford
Thomerson, Albert
Thompson, Arthur Edmund
Tomlin, Francis Ferrier
Trent, Wm. Edward
Tubbs, Walter Burnell
*Tuckett, Percival Fox
Tyler, James William
Veale, Louis Charles
Vernon, Arthur
Vernon, Arthur Stanley
Vigers, Astley Allan
Vigers, Geoffrey Leslie
Vigers, Leslie Robert
Wagstaff, Frederick Howard
Walker, William Selves
Waters, Frederick Ebenezer
Watney, Arthur Gordon
Watney, Dendy
Webber, Henry Stanton
Webster, Hugh Calthrop
White, Benjamin William
Whiteley, Charles Perry
Whiteley, Cyprian Charles Oswald, Capt., O.B.E.
Wicksteed, Archie Frederic
Wilde, Sidney Algernon
Wilson, Everard John
Wootton, Thomas Sydney Lewis
Wright, Herbert Alfred
Wright, Wm. Newcombe
Wyles, John Walter

LONDON BRANCHES—*continued.*

Wylie, Ernest Avery
Young, Charles Alex.
Young, Douglas
Young, Ernest Alexander

PROFESSIONAL ASSOCIATES.

Andrews, Ronald Seymour
Andrews, Stephen Hampton
Andrews, Wm. Charles
Atkins, Arthur Edward Alan Martin
Austin, Joseph James Rowles
Ball, Francis Leopold
Banks, Edwd. John Stanley
Batstone, Walter Waterfield
Baxter, George Coulson
Bayden, Edward
Bedwell, Ernest Charles
Bell, William
Blackburn, Lionel Charles
Blanks, Arthur Albert
Blow, Thomas Bertram
Boston, William Thomas
Breach, Alan Charles Egerton
Brewer, Francis Henry James
Brockelbank, Colin Turner Seymour
Brown, Frank
Bull, Walter Edward Avenon
Burrows, Edwd. Crawford, Major, M.C.
Burton, Walter William
Cass, Alexander James
Causley, Samuel
Chalcraft, Henry Terrell
Chamberlain, Walter Ernest
Chandler, Ernest Herbert
Chipp, George
Clark, Alexander Neilson
Clark, Louis Van
Clifton, Edward Noel
Coker, Harry Reginald Ellis
Colbeck, Henry, A.R.I.B.A.
Collins, Owen Hyman
Commander, Chas. Curtis
Corble, Archibald Harrison
Cross, Clement
Cunningham, William Frederick
Cushen, Charles Osmon
Dabbs, Douglas William
Dartnall, James Ambrose
Davenport, Herbert
Davis, Edwin Arthur
Daw, Edmund Norman
Dixon, Percy Sidney, A.R.I.B.A.
Donaldson, Victor Cecil
Ellis, Owen William Beresford
Ellyatt, George Frederick
Featherstone, Frank Marshall
Fitness, John Francis
Foster, Walter Laurence
Francis, Bernard
Fulcher, Christopher Turtill
Garrett, Arthur Berry
Gasson, Norman
Gay, Frank
George, Frederick Albert
Gibson, Edwin Salter
Gillett, Herbert Edward
Gilbert, John Sainsbury
Gleed, Herbert Alexander
Gordon, Albert Leslie
Gowland, Stephen Leversha
Greenway, Archie Ernest
Hamilton, John Paynter
Hardman, Edgar Austin
Hawkins, William Joseph
Haynes, Herbert Cecil
Healy, Harry Prince
Hellicar, George Thomas
Hickman, Henry Richard
Hill, William Archibald
Hills, Walter Vaughan
Hipkin, John
Hobson, Frederick Vachell
Hosgood, Ralph Brian
Hudson, Alan Albert
James, Herbert Cecil
Jarvis, Louis John Wallace
Jenkinson, Samuel Stewart
Jones, Arthur Bayly
Jones, Owen Campbell
Keen, Arnold Grey
Kemsley, Norman Bolton
Kennard, Cecil
Kent, Stanley Henry Gladstone
King, William Isaac
Knight, Robert Maltman
Lamble, William Herbert
Lawes, Edgar
Leach, William Austin
Legg, Kenneth Bolton
Leslie-Carter, William Cass
Lewis, Arthur Llewellyn
Liell, Kingsley
Ling, Richard Bertram, A.R.I.B.A.
Lockhead, Arthur Sydney
Long, Alfred Charles
Macnamara, Cormac
Mallett, Roy Terence
Mann, Alfred Leonard
Marcus, William Mortimer
Marsden, Horace John
Milton, Frederick
Moore, John Alfred
Moore, Richard Charles
Morris, Alexander George
Morris, Ellis
Newman, Percival Corney, A.R.I.B.A.
Nicholson, Ebenezer Bernard

LONDON BRANCHES—*continued.*

Noble, Walter Hubert
Nunn, Cecil George
Offlow, Arthur Rowland
Owen, Wilfrid Scotter
Page, Bernard Culmer
Palmer, Arthur
Panario, Francis Michael
Parratt, Oswald Escott
Parrott, Hugh Francis Vivian
Pasterfield, Vere Clarence
Paul, Francis
Perkin, Daniel Ward
Pinfold, Francis Arthur
Pinhorn, Alfred Charles
Pinnell, Henry James
Pipe, Henry James
Robertson, Hubert Alexander
Rogers, James Walter
Roper, Edward Elliston
Roper, John William
Savill, Alfred Cecil
Scantlebury, Wm. Seth
Scott, Leslie Thomas Bazell
Scriven, John Pearce
Seller, Frank Russell
Shott, Cecil Douglas
Slater, Geoffrey Brian
Smith, Alfred Ernest
Sneath, Philip George
Stiles, Arthur
Stockings, Arthur Perry, Major, C.B.E.
Stone, George Sarbatt Noke
Symes, James Gordon
Taylor, Frank Edward
Thompson, Roland O'Brien
Thorpe, Arthur Ralph
Titchmarsh, Stanley Ray
Tollett, George William
Walter, Sydney James
Watney, Ronald Dendy
Westmore, Alfred Frederick
Wilson, John Hayes
Winbourne, Goodman George, A.R.I.B.A.
Wonnacott, Howard John
Yates, Frederick George
York, Robert John

Associates.

Beale, Sir John Field, K.B.E.
Boston, William Thomas
Boyle, Sir Edward, Bart.
Cardale, William Henry
Carr, Arthur Stretbell Comyns, M.P.
Courthope-Munroe, Sir Harry, K.C. M.A. (*Cantab.*)
Creswell, William Thomas, Capt., Lic.R.I.B.A.
Crouch, James Leonard
Hills, Eustace Gilbert, K.C.
Hudson, Alfred Arthur, K.C.
Jeeves, William John, K.C., C.B.E.
Macassey, Sir Lynden Livingstone, K.B.E.. K.C.
Mead, Lawrence
Mould, Graham Harley
Thorne, Richard Squire, B.A. (*Cantab.*).
Turner, Sydney George, O.B.E.
Watson, William Ernest

Probationers.

Chamberlain, Norman Vincent
Cook, John Oliver, Jun.
Coster, Albert Ernest
Crown, Raymond James
Green, Arthur Ernest Hamilton
Griffett, William Arthur
Hadfield, Charles Norman
Jackson, Roy Giffard
King, Charles Howard
Linay, Reginald Cooper
Nicolls, Jack Wilfrid
Randall, Robert Henry Leslie
Roberts, John Malcolm
Slaughter, Stanley HaroldGeorge
Strachan, Herbert Edward
Symmons, Eric Thorne
Trotman, Eric Cecil
Wainwright, Frank Langton
Watney, Henry Daniel Arthur

Students.

Briselden, Frank George Ambrose
Butler, Leslie Turley
Heys, Arthur James Graham
Howell, John Gordon
Lucas, Lascelles Arthur
Taylor, John Belmont
Thompson, Alfred William
Wilford, Joseph Craven

BRITISH DOMINIONS AND COLONIES AND FOREIGN COUNTRIES.

AFRICA.

EAST AFRICA.

DAR-ES-SALAAM.

Fellow :—
Pashen : John Herbert.

Professional Associates :—
Hall : Cyril Albert.
Willis : Stanley Scott.

KENYA COLONY

Colonial Fellows :—
Gibson : Alan Keith.
McEwen : John Henry.
Saidler : James Roy, Major, M.C., C. de G.

Professional Associate :—
Owen : Ralph Eldon.

KISUMU.

Fellow :—
Action : William Birchall.

NAIROBI.

Fellows :—
Lynde : Walter Mighells.
Tyson : George Alfred.
Wevill : Alfred Edward.

Colonial Fellow :—
Bradley : Benjamin.

Professional Associates :—
Crundall : William Henry.
Giles : Charles Malcolm.
Grogan : Harold Keith.

EGYPT.

ARGUT.

Colonial Fellow :—
Freeland : Arthur Edward.

CAIRO.

Fellow :—
Farthing : William Walter.

Colonial Fellow :—
Wright : George John, Lieut.-Col.

GIZA.

Fellow :—
Sheppard : Vivian Lee Osborne.

Colonial Fellow :—
Phillips : Cuthbert Emry Vaughan

MANSURA.

Professional Associate :—
Wardill : Herbert Roy.

PORT SOUDAN.

Professional Associate :—
Pollington : Edward Victor.

SOUDAN.

Colonial Fellow :—
Lowden : Andrew.

Professional Associate :—
Skitt : Rowland Colley.

TOR.

Professional Associate :—
Speakman : John McClure.

NYASSALAND.

CHIKWAWA.

Professional Associate :—
Isaac : Gordon Leslie.

LIMBE.

Professional Associates :—
Hall : Ernest William.
Harwood : Walter.

ZOMBA.

Colonial Fellow :—
Wright : Francis Thomas.

RHODESIA.

BULAWAYO.

Professional Associate :—
Davison : Louis James.

LIVINGSTONE.

Colonial Fellows :—
Ivey : Frederick Percival.
Tivy : Ryder Vaughan.

Professional Associate :—
Hartland : Kenneth Wright.

MAZABUKA.

Colonial Fellow :—
Browning : Sydney Broderick.

SALISBURY.

Fellow :—
Wise : Charles Dacres.

Professional Associates :—
Hotson : Andrew.
Wadman : Albert John.

UMBALI.

Colonial Fellow :—
Dickson : Reginald Herbert Bruce.

UGANDA.

UGANDA.

Colonial Fellow :—
Spencer : Albert Edward.

Professional Associates :—
Gee : Arthur Harold.
Hart : Arthur Reginald Glendower.

COLONIES AND FOREIGN COUNTRIES—*continued.*

UNION OF SOUTH AFRICA.

CAPE PROVINCE.

CAPE TOWN.

Fellows :—
Labdon : Herbert George.
Quail : John.
White : Everard, Lt.-Col.

Colonial Fellow :—
Menmuir : Robert William.

Professional Associate :—
Bowman : John Leslie.

EAST LONDON.

Professional Associate :—
Sale : Arthur Reed.

PORT ELIZABETH.

Professional Associate :—
Darvill : Douglas Harry.

SIMONSTOWN.

Fellow :—
Hughes : George Major.

NATAL

DUNDEE.

Professional Associate :—
Covernton : Christopher Alan

DURBAN.

Colonial Fellow :—
Thompson : William Glossop.

ORANGE FREE STATE.

BLOEMFONTEIN.

Colonial Fellows :—
Harrison : William.
Wallace : Herbert Alexander Craig.

Professional Associate :—
Usher : William Arthur.

TRANSVAAL.

JOHANNESBURG.

Fellows :—
Bell-John, Harry, Captain, M.C.
Farrow : E. Bertram.

Professional Associates :—
Hickman : Frank Davis.
Stucké : William Henry, A.R.I.B.A.

PRETORIA.

Fellows :—
Cowling : John William.
Jaques : Thomas Arnold.
Moore : Thomas.
Turner : George Eli.

Colonial Fellows :—
Howgrave-Graham : George Ernest.
Hustwick : Ernest.
Pike : John Percy
Puntis : Walter Ernest, Major, O.B.E.
Warne : William Montague.

Professional Associates :—
Holt : Frank Bransbury.
Prentice : Robert Johnston Calder.

WEST COAST.

ACCRA.

Colonial Fellow :—
Riddett : Basil Perry.

Professional Associates :
Box : Stephen Thomas
Grover : Luke Montague

CAPE COAST.

Colonial Fellow :—
Parrott : Charles Clayton.

CONGO.

Professional Associate :—
Chesterman : Arnold de Merveilleux.

GAMBIA, BATHURST.

Fellow :—
Stone : Arnold.

GOLD COAST.

Colonial Fellow :—
Saward : Sidney Carman.

LAGOS.

Fellow :—
Webb : Reginald Acheson.

Professional Associate :—
Larrett : Stanley Arthur.

NIGERIA.

Colonial Fellows :—
Browne : Eustace Montagu.
Bunny : Joseph.
Morphy : Henry.

NORTHERN NIGERIA.

Colonial Fellow :—
Cousin : Robert.

NORTHERN TERRITORIES.

Colonial Fellow :—
Renshaw : James C.

ODUMASE.

Professional Associate :—
Warbrick : George Newton.

SEKONDI.

Colonial Fellow :—
Wilson : George Harold Sumner.

Professional Associate :—
Nash : Eugene Fleetwood.

SIERRA LEONE.

Colonial Fellows :—
Bradshaw : Arthur Stanley.
Lake : Wallace Strickland, A.M.I.C.E.
Price : Owen Gordon.
Temple . Richard, Jun.

Professional Associates :—
Stanley : George, A.M.I.C.E.
Tucker : Frederick George.

COLONIES AND FOREIGN COUNTRIES—*continued.*

AMERICA (CENTRAL).

WEST INDIES.

BAHAMAS.

Colonial Fellow :—
Miller : William.

ST. KITT'S.

Colonial Fellow :—
Rowbotham : Jonathan Alan.

GRENADA.

Professional Associate :—
Bertrand : Walter Randolph.

JAMAICA.

Colonial Fellows :—
Abrahams : Charles Victor.
Baker : William Anthony.
Bancroft : Augustus Charles.
Bourke : Geffrard Wellesley.
Fletcher : Josiah Monk.
Foster : Edward.
Hood-Daniel : Herbert.
McGahan : Amos Harvey.
Pearson : Turner Langbridge.
Rickman : Ralph Etwall.
Terrier : Theodore Emile
Willoughby : Hugh Michael.

Professional Associates :—
Biscoe : Robert Stafford.
Bowker : Harold Walter

PHILIPPINE ISLANDS.

Colonial Fellow :—
James : John Godfrey.

ST. KITTS NEVIS.

Colonial Fellow :—
Smith : James Landreth.

ST. LUCIA.

Colonial Fellow :—
McNamara : Rupert Augustus.

TRINIDAD.

Fellow :—
Brinsley : Herbert George William M.C.

Colonial Fellow :—
Macgillwray : John Walker.

Professional Associates :—
Amies : Herbert Christopher.
Livingston : William.
Prevatt : Francis Christophe

AMERICA (NORTH).

CANADA.

MANITOBA.

Fellow :—
Watts : Ernest William.

MONTREAL.

Professional Associate :—
Stark : James Tod.

ONTARIO.

Professional Associate :—
Skeffington : Thomas Ashford.

QUEBEC :—

Colonial Fellow :—
Mill : David William.

SASKATCHEWAN.

Professional Associates :—
Benson : Ralph Francis.
Genders : Percy Robert.
Parker : Howard.

UNITED STATES

CALIFORNIA.

Professional Associates :—
Seale : Percy James.
Stephen : Duncan Joseph.

NEW YORK.

Professional Associate :—
Geddes : Joseph William.

SPRINGFIELD.

Professional Associate :—
Robinson, Benjamin Grant.

AMERICA (SOUTH).

BRITISH GUIANA.

GEORGETOWN.

Colonial Fellow :—
McTurk : William Henry.

ARGENTINE REPUBLIC.

BUENOS AIRES.

Fellow :—
Blencowe : Sydney.

Professional Associates :—
Crossley : Thomas Edgar.
Fitch : Philip.
Lorimer : Gordon.
Lowe : Robert Edward Nicholls.

CORDOBA.

Professional Associate :—
Sherwin : James Austin.

BRAZIL.

ESTADO DE SAN PAULO.

Professional Associate :—
Steward : George Edward.

MINAES GERAES.

Professional Associate :—
Severs : Charles Cochrane.

CHILI.

CORONEL.

Colonial Fellow :—
Blandford : Stanley Charles Hooper.

Professional Associate :—
Voisey : Percy Deering.

COLONIES AND FOREIGN COUNTRIES—*continued.*

ASIA.

ASSAM.

NAZIRA.

Professional Associate :—
Gardner : Osmond.

BURMA.

RANGOON.

Professional Associates :—
Bartlett : Reginald Douglas.
Rennick : Charles Burridge.

SHWEBO.

Colonial Fellow :—
Nolan : Arthur Patrick.

CEYLON.

Colonial Fellow :—
Clark : Hudson Owen.

Professional Associate :—
Womack : Oswald Cedric.

BADULLA.

Colonial Fellow :—
May : Philip John.

CHILAW.

Professional Associate :—
Metcalfe : William.

COLOMBO.

Fellow :—
Woodeson : Austin, F.R.I.B.A.

Colonial Fellows :—
Eastman : Edward George, Capt., O.B.E.
Harrison : Hamilton Payn.

Professional Associates :—
Baker : Frank Leslie.
Edwards, Sidney James.
Johnston : Robert James.
Loram : John Anning.
Parham : Arthur Douglas, A.R.I.B.A.
Vince : Clement Harwood.
Westrop : Arthur Richard, Major, M.C.

GALLE.

Professional Associate :—
Nettelton : Oscar Traves.

KANDY.

Professional Associate :—
Manson : Edward Beresford.

CHINA.

HONG KONG

Fellows :—
Chapman : George James, Major, O.B.E.
Kirk : Allan.
Ling : Frederick James.
Tickie : Arthur George Warnham, F.R.I.B.A.

Colonial Fellow :—
Wright : Arthur Edgar.

Professional Associates :—
Cornell : William Arthur.
Lissaman : Arthur Evelyn.
Lowick : Henry Capell.
Newhouse : Edward.

SHANGHAI :

Fellows :—
Lofting : John Henry.
Peebles : Philip.
Sparke : Norman Lush.

Professional Associates :—
Halse : Sidney Joseph.
Lewis : Hugh Francis.
Sherwin : Samuel William.
Wheeler : Arthur Carruthers, Capt.
Wilson : George Leopold.

EAST INDIES.

BORNEO.

JESSELTON.

Student :—
Collard : Wilfrid Coveney.

SARAWAK.

Professional Associate :—
Ermen : Cuthbert Emil Albert.

FEDERATED MALAY STATES.

IPOH.

Fellow :—
Bedington : Guy Cyril.

PERAK.

Colonial Fellows :—
Edwardes : William Arnold Donaldson, Major, M.C.
Percy : George Reginald, M.C., A.M.I.C.E.

Professional Associate :—
Slater : Arthur James.

SELANGOR.

KUALA LUMPUR.

Fellow :—
Walker : James William Boyd.

Colonial Fellow :—
Husband : Charles Thomas.

Professional Associates :—
Atkin-Berry : Herbert Courtnay
Stubington : Robert Alan.

STRAITS SETTLEMENTS.

MALACCA.

Colonial Fellow :—
Lermil, Arthur Alfred

SINGAPORE.

Fellows :—
Dyke : Bernard Frank.
Grey : George Willis.
Lermit : Alfred William.

Colonial Fellows :—
Bone, Chandos Eric.
Brown : Walter James.
Nicholas : Wilfred Dunstan.
Pennefather : John Pyne.

Professional Associate :—
Snell : Charles Frederick.

COLONIAL AND FOREIGN COUNTRIES—*continued.*

INDIA.

BAMNOLI.

Colonial Fellow :—
Stotesbury : Herbert Charles Wood.

BOMBAY.

Fellows :—
Burge : James Thomas.
Delves : Robert Henry Addington.
Fritchley : Edwin Wollaston.
Gilbert-Lodge : Edward Morton.
Grimwood : Herbert George.
Knight : Charles William, Capt. R.E.
Phibbs : Harry.

Colonial Fellows :—
Annett : Ernest Taylor.
Rowe : Gilbert Charles.
Taylor : Frederick Hale.

Professional Associates :—
Brimmell : William Langdon.
Ryan : Bernal John, Capt. M.C.

CALCUTTA.

Fellow :—
Hathaway : Percy William.

Colonial Fellows :—
Barber : Herbert Eustace.
Berry : William James, N.D.A.
Hingston : Cecil Victor.
Shrosbree : Albert de Bois.

Professional Associates :—
Thompson : Arnold John.
Westbrook : Bernard Anson.

DECCAN.

Colonial Fellow :—
Rao : Anantha Krishna.

DELHI.

Colonial Fellow :—
Blomfield : Charles Geoffrey.

Professional Associate :—
Allison : George Henry.

DHARWAR.

Colonial Fellow :—
Cooper : J. A. W., Capt , M.I.C.E., A.M.I.M.E.

GUJERAT.

Colonial Fellow :—
Burr : Thomas Arnold.

HOWRAH.

Colonial Fellow :—
Melvin : William George, A.M.I.C.E.

KAMPTEE.

Professiona Associate :—
Colliver : Arthur Henry.

MADRAS.

Colonial Fellow :—
Barker : Howard William.

MUSSOORIE.

Colonial Fellow :—
Kenny : Patrick Arthur Theodore, O.B.E.

NAGPUR.

Colonial Fellow :—
Cuerden : Frederick James.

PARTABGARH.

Professional Associate :—
Sharma : Lakshmi Chand.

POONA.

Fellows :—
Mirams : Arthur Edward.
Stamper : Thomas Henry Gilborn.

ROORKEE.

Colonial Fellow :—
Gurney : James Stratton.

SAHARANPUR.

Colonial Fellow :—
Saise : Walter.

MAURITIUS.

Fellow :—
Maunder : Henry Newman.

Colonial Fellow :—
Desbleds : Edouard Marc.

PALESTINE.

JAFFA.

Colonial Fellow :—
Fortune : Sidney Herbert, Capt. R.E.

JERUSALEM.

Professional Associates :—
Bennett : Maurice Christmas.
Lees : Henry Berry, M.C., M.I.C.E.

MESOPOTAMIA.

BAGHDAD.

Professional Associate :—
Mattick : Herbert.

BASRAH.

Colonial Fellow :—
Thorne : Harman.

SIAM.

BANGKOK.

Colonial Fellow :—
Michell : John.

RAHENG.

Colonial Fellow :—
Gairdner : Kenneth Graeme.

AUSTRALASIA.

AUSTRALIA.

BRISBANE.

Colonial Fellow :—
Plant : Clifford Ernest.

Professional Associate :—
Spry : William Murray Straddar.

NEW SOUTH WALES.

Professional Associate :—
Yates : John.

SYDNEY.

Fellow :—
Weekes : Norman Barnett, A.R.I.B.A.

Colonial Fellow :—
Halloran : Henry Ferdinand.

Professional Associate :—
McCredie, Hugh.

COLONIES AND FOREIGN COUNTRIES—*continued.*

NEW ZEALAND.

GISBORNE.

Colonial Fellow :—
Mitchell : Herbert Arthur.

TASMANIA.

BURNIE.

Professional Associate :—
McGaw : Andrew Kidd.

EUROPE.

BELGIUM.

Colonial Fellow :—
Needham : Walter William.

Professional Associate :—
Macfarlane : Andrew,

CHANNEL ISLANDS.

Professional Associate :—
Collins : James Stanley.

DENMARK.

COPENHAGEN.

Professional Associate :—
Turner : Jocelin Maitland.

FRANCE.

Fellow :—
Morgans : Godfrey Ewart, Lt.-Col.

Professional Associates :—
Doyle : Graham.
Isitt: Frederick Harvey.
Ruse, John.
Wootten : Charles Stanley.

Colonial Fellow :—
Anderson : Henry, A.M.I.C.E.
Lavarack : Hamlett Unitt.

Probationer :—
Ball : Herbert Frederick.

GIBRALTAR.

Fellows :—
Pearce : William Henry, A.M.I.C.E.

Colonial Fellow :—
Thomas : Ernest.

Professional Associates :—
Blyth : Harold King.
Foulds : Joseph.

MALTA.

Fellow :—
James : Merton John.

POLAND.

WARSAW.

Professional Associate :—
Madge : Reginald John.

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